

EXHIBIT 2

PX 587 – COUNT I – Refinery STEERS Events – Sorted
by Pollutant – Totals Added – Traceability Codes Added

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------|--------------------|-------------|-----------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | This exhibit adds one column to the stipulated table in PX 1A; that column is entitled "Number of Days of Violation." The number of days of violation are calculated as follows: | | | | | | | | | | | | | | |
| | 1. 1 day of violation is counted for each 24-hour period an emission event lasts (e.g., 30-hour Duration = 2 days of violation). | | | | | | | | | | | | | | |
| | 2. Because the Refinery permit regulates emissions on a pollutant-by-pollutant basis, days of violation are calculated separately for each regulated air contaminant released in an event. VOCs are grouped together as one pollutant because they are regulated that way (except for benzene, which is regulated separately in the permit); oxides of Nitrogen are similarly grouped together as one pollutant. | | | | | | | | | | | | | | |
| | 3. Every emission limit is considered to be "0", because no upset-related emissions are authorized by the Refinery permit. | | | | | | | | | | | | | | |
| 1 | 4. Because the Refinery's flexible emission caps group all emission sources together, only 1 violation per day for each pollutant released in an emission event is counted, regardless of how many emission points in the same event emitted that pollutant. | | | | | | | | | | | | | | |
| 2 | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 3 | 66438 | ETSC 000736 - 000737 | 10/14/05 2:47 | 10/14/05 2:48 | 17:34 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Bypass | | Ammonia | 1,125.00 | 0.00 | FCCU3 C Boiler tripped offline at 2:47 and again shortly after start-up at noon. Cause of event currently under investigation. | 1 | O-RQ |
| 4 | 83416 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | Ammonia | 10.00 | 0.00 | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas of (VOC-PGD). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is CS thru C8s. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | |
| 5 | 85962 | ETSC 001027 - 001028 | 1/11/07 20:25 | 1/11/07 21:10 | 0:45 | Not specifically authorized | Gofiner | Gofiner Unit 1 Fugitives | GF1FUG | Ammonia | 0.20 | 0.00 | A seal on a unit pump failed which resulted in a release of hot gas oil vapors to the atmosphere. Portions of Gofiner Unit are covered under Permit 18287/PSD-TX-730M4. | 1 | |
| 6 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Ammonia | 9.00 | 0.00 | CO Boiler SG501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | |
| 7 | 126586 | ETSC 001224 - 001225 | 07/08/2009 11:00 | 07/08/2009 12:00 | 1:00 | | FCCU2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | Ammonia | 24.63 | 76.86 | Loss of oxygen to FCCU2. A portion of emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. Calculations show emissions were below reportable quantity. | 1 | |
| 8 | 143353 | ETSC 001323 - 001324 | 08/09/2010 17:10 | 08/09/2010 18:31 | 1:21 | 0.5 lb of the total 0.5 lbs are authorized by Permit #18287/PSD-TX-730 | Fluidized Catalytic Cracking Unit | FCCU-3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 0.00 | | A coupling on the common discharge header for the Wet Gas Scrubber Recirculation Pumps (P-501's) developed a leak on 8/8/2010. The P-501's were shut down to install a temporary clamp. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. The event has ended. | 1 | |
| 9 | 146940 | ETSC 001341 - 001342 | 11/02/2010 2:00 | 11/02/2010 5:00 | 3:00 | Portions of these emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M4. | Fluidized Catalytic Cracking Unit 2 (FCCU2) | FCCU2 Wet Gas Scrubber | FCCU2WGS | Ammonia | 68.30 | 76.86 | Loss of oxygen to FCCU2 from third party supplier. Portions of emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 1 | |
| 10 | 161879 | ETSC 068035 - 068036 | 11/17/11 10:50 | 11/17/11 11:15 | 0:25 | Not specifically authorized | Gofiner | Hole in Pipe | | Ammonia | 5.07 | 0.00 | On 11/15/11 @ 23:00, a hole in a pipe was observed and subsequently isolated. The initial estimate indicated the emissions were below a reportable quantity. During insulation removal and inspection of the pipe on 11/17/11, the hole size indicated that emissions were higher than the initial estimate. Site Permit Number is 18287/PSD-TX-730. | 1 | |
| 11 | 179694 | ETSC 072917 - 072918 | 2/22/13 18:24 | 2/23/13 1:31 | 7:07 | 51 lbs of total 111 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluid Catalytic Cracking Unit 3 | Cat Regenerator | FCCU3WGS | Ammonia | 60.00 | 78.86 | CO Boiler tripped resulted in emissions from the wet gas scrubber at the Fluidized Catalytic Cracking Unit 3 (FCCU3). | 1 | |
| 12 | 187800 | ETSC 073073 - 073074 | 8/27/13 8:30 | 8/27/13 16:45 | 8:20 | 5 lbs of total 5 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7. | Fluidized Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 0.00 | 76.86 | FCCU3 Selective Catalytic Reduction (SCR) system tripped causing NOx emissions to increase. | 1 | |
| 13 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized. 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | CO Boiler Bypass Stack | | Ammonia | 76.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | 2 | |
| 14 | 83409 | ETSC 001055 - 001056 | 10/31/06 23:17 | 11/1/06 1:00 | 25:43 | Permit by Rule 30 TAC 106.263 | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber Stack | | Ammonia | 22.00 | 100.00 | Valve leaked regenerator flue gas through boiler SG-501C during maintenance. Flue gas was partially treated in Wet Gas Scrubber. Event has ended. Unit has returned to normal operations. Portions of FCCU3 are permitted in Permit 18287. | 2 | |
| 15 | 83474 | ETSC 001047 - 001048 | 11/3/06 13:00 | 11/5/06 0:01 | 35:01 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Stack | | Ammonia | 208.00 | 0.00 | High fuel gas burner pressure caused by an obstruction in the seal drum increased carbon monoxide concentration in Wet Gas Scrubber. Federal and State carbon monoxide limits were exceeded. Boilers SG-501A and SG-501B tripped offline. Regenerator flue gas continued to be partially treated in the Wet Gas Scrubber throughout the event. The event has ended. Operations have returned to normal. Event details are under investigation. Portions of FCCU3 are permitted under Permit 18287. | 2 | O-RQ |
| 16 | 89687 | ETSC 000985 - 000986 | 4/13/07 5:27 | 4/14/07 8:03 | 26:36 | Not specifically authorized | Fluid Catalytic Cracking Unit 3; CO Boiler | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 189.00 | 0.00 | CO boiler SG-501C went off-line unexpectedly on the morning of 5/13/07 causing unauthorized emissions at the wet gas scrubber stack. The boiler was restarted a few hours later and returned to normal operation. Hourly emissions were back to normal by 2:30pm, but the 24-hr rolling average for Carbon Monoxide stayed above the 400ppm limit set in 30 TAC Chapter 117 until 8:00am the next day. Portions of the FCCU3 are authorized under Flexible Permit Number 18287/PSD-TX-730. | 2 | O-RQ |
| 17 | 106240 | ETSC 001083 - 001084 | 04/13/2008 14:20 | 04/15/2008 2:12 | 35:52 | PAL Permit 18287/PSD-TX-302M4 | CO Boiler C | FCCU3 Wet Gas Scrubber | FCCU3 | Ammonia | 19.00 | 80.65 | Planned Maintenance resulted in startup of FCCU3 C Boiler. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | |
| 18 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | No specific emissions authorized | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | Ammonia | 349.00 | 0.00 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | O-RQ |
| 19 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Ammonia | 32.00 | 0.00 | Boilers B and C tripped offline while A boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | |
| 20 | 120022 | ETSC 001180 - 001181 | 02/13/2009 19:00 | 02/15/2009 16:00 | 45:00 | 33 lbs of 33 are authorized by PAL Permit 18287/PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCUWGS | Ammonia | 33.00 | 76.86 | FCCU2 start up after planned shutdown for planned maintenance. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | |
| 21 | 123799 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 Bypass Stack | Ammonia | 216.00 | 0.00 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | O-RQ |
| 22 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Ammonia | 2.00 | 0.00 | CO Boiler SG501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Startup FCCU3 from planned maintenance. Event ended on 11/26/09 at 21:00, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 11/27/09 21:00. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | O-RQ |
| 23 | 132400 | ETSC 001247 - 001248 | 11/25/2009 7:59 | 11/26/2009 21:00 | 37:01 | Not specifically authorized | FCCU3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 369.00 | 76.86 | CO boiler SG-501C was taken out of service periodically to perform maintenance on the electrical circuit that provides power to its instrumentation. The boiler had to remain out of service longer than expected to make the necessary repairs. The extended duration of the downtime caused the unit to exceed the pre-notified emissions. Portions of the FCCU3 are authorized under permit #18287. | 3 | O-RQ |
| 24 | 84046 | ETSC 001041 - 001042 | 11/20/06 10:25 | 11/22/06 11:19 | 48:54 | Not specifically authorized | Fluid Catalytic Cracking Unit 3; CO Boiler 501C | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 226.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | O-RQ |
| 25 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU3 D505 | FCCU3WGS | Ammonia | 680.00 | 80.65 | Benzene concentration in wastewater treatment system. Portions of this facility are authorized by Permit No. 18287/PSD-TX-730. | 9 | |
| 26 | 110887 | ETSC 001113 - 001114 | 07/10/2008 3:00 | 07/18/2008 13:00 | 202:00 | All emissions authorized by Permit 18287 | Wastewater Treatment Plant | Wastewater Treatment Plant | SEWERFUG | Ammonia | 89.00 | 80.65 | A malfunction of seal tank internals to the FCCU3 bypass stack caused emissions to escape through the stack. Portions of the refinery are authorized by PAL permit number 18287. | 71 | O-RQ |
| 27 | 109166 | ETSC 001103 - 001104 | 05/15/2008 17:00 | 07/25/2008 14:00 | 1701:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 | Ammonia | 567.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | already counted | |
| 28 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Stack | | Ammonia | 47.00 | 0.00 | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|-----------------|---------------------------------------|-------------------|------------------|-----------------|--------------------------------------------------------------------------|-----------------------------------------|-------------------------------------|--------------|-------------|-----------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 29 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | Permit 18287 - 32 lb authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 32.00 | 80.65 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 30 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Ammonia | 6.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 31 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 911.00 | 76.86 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 32 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 112.00 | 76.86 | CO Boiler S6501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 33 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 13.00 | 76.86 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 34 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Ammonia | 139.00 | 76.86 | CO Boiler S6501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 35 | | | | | | | | | | | | | TOTAL - AMMONIA | 120 | 90 |
| 36 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | Hydroformer 4 | OH0452 | | Benzene | 44.33 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 1 | O-RQ, R-RQ |
| 37 | 76531 | ETSC 000828 - 000839 | 5/31/06 14:00 | 6/1/06 5:50 | 15:50 | Not specifically authorized | Oil Movements | Plant Sewer Fugitives | SEWERFUG | Benzene | 2.00 | 0.00 | Heptane from tank 741 water draw valve was released to onsite sewer and waste water treatment plant. Portions of Oil Movements are authorized under permit #18267. | 1 | |
| 38 | 101421 | ETSC 000923 - 000924 | 12/17/07 1:00 | 12/17/07 5:30 | 4:30 | Not specifically authorized | Hydroformer 4 | P451 B suction piping | | Benzene | 21.00 | 0.00 | Stabilizer pump suction leak to atmosphere. | 1 | O-RQ, R-RQ |
| 39 | 113088 | ETSC 001126 - 001127 | 08/24/2008 15:30 | 08/24/2008 15:40 | 0:10 | Not specifically authorized | Hydroformer 3 | Reactor Vent | HF3RXVENT | Benzene | 0.20 | 0.00 | A reactor was being air freed when material was released resulting in a fire. This event has ended. Portions of the HF3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL7. | 1 | |
| 40 | 144239 | ETSC 001325 - 001326 | 08/30/2010 16:02 | 08/30/2010 16:39 | 0:37 | Not specifically authorized | West Loop Flare System | Flare Stack 4 | FLARE04 | Benzene | 15.50 | 6010.61 | Loss of flame on flare pilots. The event has ended. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730-M4. | 1 | F, O-RQ, R-RQ |
| 41 | 154039 | ETSC 072695 - 072698 | 05/02/2011 6:30 | 05/02/2011 10:30 | 4:00 | Not specifically authorized | Oil Movements | Oil Movements Area, Spill | | Benzene | 66.50 | 0.00 | Air emissions are from evaporation of frac tank slop oil spill. Portions of the unit emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M4/PAL7. This event has ended. | 1 | O-RQ, R-RQ |
| 42 | 156835 | ETSC 072698 - 072699 | 7/14/11 13:00 | 7/14/11 20:40 | 7:40 | Not specifically authorized | Oil Movements Area 3 | Hole in Pipe | | Benzene | 61.60 | 0.00 | Emissions due to hole in pipe. Portions of these emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. The event has ended. | 1 | O-RQ, R-RQ |
| 43 | 162526 | ETSC 068133 - 068134 | 11/24/11 9:00 | 11/24/11 20:00 | 11:00 | 28.8 pounds of 55.8 pounds are authorized by Permit No. 18287/PSD-TX-730 | Wastewater Treatment System | Wastewater Oxidation Unit Fugitives | WOUFUG | Benzene | 55.80 | 91.88 | Benzene concentration in wastewater treatment system due to a spill at the Chemical Plant. As per 30TAC101.1(a)(4), the initial spill notification was made under 30TAC327.3. Portions of this facility are authorized by Permit No. 18287/PSD-TX-730 | 1 | O-RQ, R-RQ |
| 44 | 164148 | ETSC 068642 - 068643 | 1/14/12 21:00 | 1/14/12 21:45 | 0:45 | Not specifically authorized | DOCKS | | | Benzene | 15.00 | 0.00 | 3-gallon spill of steam cracked naphtha. As per 30 TAC 101.201 (a)(4), the initial spill notification was made under 30 TAC 327.3 on 1/14/12. Portions of this facility are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | O-RQ, R-RQ, O-M, R-M |
| 45 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Not specifically authorized | Hydrocracking Unit 1 (HCU1) | E-702 Exchanger | | Benzene | 0.10 | 0.00 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | |
| 46 | 182695 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Not specifically authorized | Hydroformer 3 | Flange | | Benzene | 3.70 | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | |
| 47 | 147380 | ETSC 001343 | 10/16/2010 1:30 | 10/17/2010 5:30 | 28:00 | | Oil Movements, Underground Naphtha Fill | Underground Naphtha Fill | Pipe Leaks | Benzene | 81.00 | 0.00 | Underground pipe leaks. | 2 | O-RQ, R-RQ |
| 48 | 156949 | ETSC 068110 - 068111 | 7/5/11 14:50 | 7/7/11 14:50 | 48:00 | Not specifically authorized | Oil Movements Area 1 | Area 1, Spill | | Benzene | 20.13 | 0.00 | Spill was caused from leak in pipe. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. The event has ended. | 2 | O-RQ, R-RQ |
| 49 | 135717 | ETSC 001282 - 001283 | 02/10/2010 9:45 | 02/12/2010 12:34 | 50:49 | Not specifically authorized | Pipe Still 7 (P57) | Flange at P57 drum | | Benzene | 1.00 | 6010.61 | Leak at flange on P57 drum; event has ended. Portions of the refinery emissions are authorized by Permit #18287/PSD-TX-730. | 3 | |
| 50 | 162866 | ETSC 068135 - 068136 | 12/16/11 19:30 | 12/20/11 21:30 | 98:00 | Portions may be authorized under Permit #18287/PSD-TX-730M4/PAL7 | Crude Light Ends (CLE) | Hole in Pipe | | Benzene | 109.80 | 0.00 | Discovered hole in T-730 Light Virgin Naptha Draw Line. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 4 | O-RQ, R-RQ |
| 51 | 103838 | ETSC 001076 - 001078 | 02/16/2008 8:30 | 02/20/2008 12:00 | 99:30 | Not specifically authorized | Oil Movements | Tank 1095 sewer drain | SEWERFUG | Benzene | 0.40 | 0.00 | Leaking stormwater roof drain resulted in crude oil on tank roof. Secondary mist released at ground level sewer and vapor released from tank roof. Portions of Oil Movements, including the tank, authorized in Permit 18287. | 5 | |
| 52 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 19 | FLARE19 | Benzene | 1.00 | 91.92 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | |
| 53 | 91325 | ETSC 000975 - 000976 | 5/17/07 6:00 | 5/22/07 19:00 | 133:00 | Not specifically authorized | Oil Movements Area 1 | Tank 998 | TK0998 | Benzene | 21.00 | 0.00 | Loss of flotation on Tank 998 floating roof. Event is under investigation but most likely cause is that floating roof became entangled with tank's roof anti-rotation device. Tank contained oil destined for refinery recycle. Portions of Oil Movements Area 1, including Tank 998, are authorized in permit 18287. No impact on production and all customer needs were met. Event has ended. | 6 | O-RQ, R-RQ |
| 54 | 110887 | ETSC 001113 - 001114 | 07/10/2008 3:00 | 07/18/2008 13:00 | 202:00 | 34 lbs of the 442.1 lbs are authorized by Permit 18287 | Wastewater Treatment Plant | Wastewater Treatment Plant | SEWERFUG | Benzene | 442.10 | 91.92 | Benzene concentration in wastewater treatment system. Portions of this facility are authorized by Permit No. 18287/PSD-TX-730. | 9 | O-RQ, R-RQ |
| 55 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | CLEU T785 Piping Pinhole Leak | | Benzene | 2.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended. | 19 | |
| 56 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 17 | FLARE 17 | Benzene | 0.24 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 57 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 18 | FLARE 18 | Benzene | 0.24 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 58 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 20 | FLARE 20 | Benzene | 0.24 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 59 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 21 | FLARE 21 | Benzene | 0.24 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 60 | 103838 | ETSC 001076 - 001078 | 02/16/2008 8:30 | 02/20/2008 12:00 | 99:30 | 20.7 of 42.5 lbs authorized by Permit 18287 | Oil Movements | Tank 1095 roof | TK1095 | Benzene | 42.50 | 6014.44 | Leaking stormwater roof drain resulted in crude oil on tank roof. Secondary mist released at ground level sewer and vapor released from tank roof. Portions of Oil Movements, including the tank, authorized in Permit 18287. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|--------------|------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 61 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Not specifically authorized | Baytown Refinery Operating Units | LECC Pump P-015 Recycle Piping Pinhole Leak | | Benzene | 1.00 | 0.00 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Droad) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 62 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 17 | FLARE17 | Benzene | 1.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Droad) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 63 | | | | | | | | | | | | | TOTAL - BENZENE | 66 | 30 |
| 64 | 95557 | ETSC 000959 - 000960 | 8/7/07 7:13 | 8/7/07 8:33 | 1:20 | CS2 authorized under permit 18287 | Sulfur Conversion Unit; Tail Gas Cleanup Unit | T-601 | SCU27601 | Carbon Disulfide | 0.02 | 1.00 | A temporary loss of amine flow to absorber tower T-662 led to increased hydrogen sulfide emissions at Flexsorb Absorber Vent T-601. The event has ended and the unit is back to normal operation. There was no impact to production and all customers' needs were met. Emissions from the Sulfur Conversion Unit (SCU2) are authorized under Flexible Permit #18287. | 1 | |
| 65 | 109887 | ETSC 001105 - 001106 | 06/22/2008 10:00 | 06/25/2008 1:00 | 63:00 | All emission from this EPN authorized by Flexible Permit 18287 SC30 | Claus Sulfur Recovery Unit | Drum 702 | SCU2D702 | Carbon disulfide | 1.20 | 0.00 | During a Claus D unit start-up, a sulfur condenser in the unit plugged causing the downstream flexsorb absorber vent to exceed permit limits. Portions of the Refinery are authorized by PAL permit number 18287/PSD-TX-730M4. | 4 | |
| 66 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Portion of emissions authorized under permit 18287 PSD No TX730M4/PAL | Sulfur Conversion Unit 2 | Tower 601 | SCU27601 | Carbon disulfide | 90.70 | 1.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2702 and SCU27601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Also, flexible Permit #18287 SC30 authorized emissions from SCU2702. | 5 | |
| 67 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 D-702 | SCU2D702 | Carbon disulfide | 5.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | |
| 68 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Flexible Permit 18287 SC 30 | Sulfur Conversion Unit 2 | Drum 702 | SCU2D702 | Carbon disulfide | 2.10 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2702 and SCU27601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Also, flexible Permit #18287 SC30 authorized emissions from SCU2702. | already counted | |
| 69 | 109887 | ETSC 001105 - 001106 | 06/22/2008 10:00 | 06/25/2008 1:00 | 63:00 | 24 lbs of 54 lbs are authorized | Claus Sulfur Recovery Unit | Flexsorb Absorber Vent | SCU2R601 | Carbon disulfide | 54.00 | 1.00 | During a Claus D unit start-up, a sulfur condenser in the unit plugged causing the downstream flexsorb absorber vent to exceed permit limits. Portions of the Refinery are authorized by PAL permit number 18287/PSD-TX730M4. | already counted | |
| 70 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 T601 | SCU27601 | Carbon disulfide | 21.00 | 29.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 71 | | | | | | | | | | | | | TOTAL - CARBON DISULFIDE | 15 | |
| 72 | 66438 | ETSC 000736 - 000737 | 10/14/05 2:47 | 10/14/05 20:21 | 17:34 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Bypass | | Carbon Monoxide | 263,767.00 | 0.00 | FCCU3 C Boiler tripped offline at 2:47 and again shortly after start-up at noon. Cause of event currently under investigation. | 1 | H, R-RQ |
| 73 | 68272 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | DCUF601 | DCUF601 | Carbon Monoxide | 12.00 | 4199.43 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (P&F&G01) and WHB-301 (F&XG/GW/HB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | 1 | H |
| 74 | 69967 | ETSC 000812 - 000813 | 1/10/06 13:50 | 1/10/06 16:45 | 2:55 | Not specifically authorized | Hydrogen Generation Unit | HGU1 Onsite Atmospheric Vent | | Carbon Monoxide | 10,647.00 | 0.00 | HGU-1 Furnace F-121 was shutdown due to exchanger F-122 problems. Portions of the HGU-1 unit are permitted under permit #18287. | 1 | H, R-RQ |
| 75 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 17 | FLARE 17 | Carbon Monoxide | 7.70 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspecified C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 1 | H |
| 76 | 70366 | ETSC 000796 - 000797 | 1/12/06 21:10 | 1/13/06 13:11 | 16:01 | Permit #18287 | ExxonMobil Baytown Refinery | GTG45/WHB75 | BH7WHB75 | Carbon Monoxide | 213.00 | 4199.43 | Facility steam constraints resulted in exceedance of NOx 93 ppm limit from the GTG45/WHB75 and GTG45/WHB75 are permitted under permit #18287. | 1 | H |
| 77 | 72943 | ETSC 000776 - 000777 | 3/14/06 17:30 | 3/14/06 17:50 | 0:20 | Not specifically authorized | Oil Movements | Tank 801 fire wall | | Carbon Monoxide | 10.46 | 0.00 | Paint cans and wood-based material caught fire inside the firewall of Tank 801. The minor fire only burned painting supplies and was put out minutes later. The ignition source was not determined. | 1 | H |
| 78 | 73875 | ETSC 000770 - 000771 | 4/2/06 14:30 | 4/2/06 19:00 | 4:30 | Permit #18287 PSDTX730M3 | Fuels North Gas Treating | Multiple FN Combustion Devices | | Carbon Monoxide | 512.50 | 4,199.43 | Loss of MEA circulation on H2S scrubber tower T-854 causing Hydrogen Sulfide in the blend gas to exceed the NSPS 1 limit of 160 ppm over a 3 hour average. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The emission sources are: F-801/802/803/804/410/402/403/404/405/301/926/901/701/2/01/227/702/703. | 1 | H |
| 79 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 15 | Flare15 | Carbon Monoxide | 1,311.00 | 542.70 | Fire at Electrical Substation #5, servicing the lube plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the refinery are permitted under Permit #18287. | 1 | F, H |
| 80 | 75191 | ETSC 000840 - 000841 | 5/1/06 16:20 | 5/1/06 16:50 | 0:30 | Not specifically authorized | Cooling Tower 9 | Pump P-2 | | Carbon Monoxide | 0.40 | 0.00 | Bearing failure in pump P-2 caused the engine to overheat and smoke. No actual flame was present. Portions of Cooling Tower 9 are covered under refinery permit 18287. | 1 | |
| 81 | 83410 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | Carbon Monoxide | 30.00 | 0.00 | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas oil (VOC-PGO). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is C5 thru C8s. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | H |
| 82 | 84081 | ETSC 001039 - 001041 | 11/20/06 1:00 | 11/20/06 4:00 | 3:00 | Not specifically authorized | Lube Hydrofining Unit 1 | F601 Line | Fire on Line | Carbon Monoxide | 2,923.00 | 0.00 | A small fire was discovered on a line to F-601 furnace at the Lube Hydrofining Unit 1 (LHU1). The event has ended. Portions of the Lube Hydrofining Unit are covered under permit #18287. | 1 | H |
| 83 | 87852 | ETSC 000991 - 000992 | 3/2/07 12:15 | 3/3/07 4:42 | 16:27 | Permit 18287 & PSD-TX-730M3PAL | Low Btu Gas Fired Sources | Low Btu Gas Fired Sources | LBGSR | Carbon Monoxide | 1,193.00 | 3804.90 | Equipment malfunction caused High H2S in the Low Btu Gas (LBG) system. Portions of the refinery are authorized under permit 18287 and PSD-TX-730M3/PAL. Emissions were intermittent between 6:43pm 3/1/07 and 11/10am 3/2/07. | 1 | H |
| 84 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare 14 | FLARE14 | Carbon Monoxide | 39.00 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18289 | 1 | F, H |
| 85 | 113088 | ETSC 001126 - 001127 | 08/24/2008 15:30 | 08/24/2008 15:40 | 0:10 | Not specifically authorized | Hydroformer 3 | Reactor Vent | HF3RXVENT | Carbon Monoxide | 9.00 | 0.00 | A reactor was being air fired when material was released resulting in a fire. This event has ended. Portions of the HF3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 1 | |
| 86 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Carbon Monoxide | 2,646.00 | 0.00 | CO Boiler #5501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | H |
| 87 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | 49 of the 74 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | Carbon Monoxide | 74.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 1 | F, H |
| 88 | 126586 | ETSC 001224 - 001225 | 07/08/2009 11:00 | 07/08/2009 12:00 | 1:00 | | FCCU2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | Carbon Monoxide | 5,704.43 | 3804.09 | Loss of oxygen to FCCU2. A portion of emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. Calculations show emissions were below reportable quantity. | 1 | H, R-RQ |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------|--------------------|-----------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 89 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flare Stack 26 | FL26 | Carbon Monoxide | 938.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | 1 | F, H |
| 90 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare14 | FLARE14 | Carbon Monoxide | 61.00 | 3804.09 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730M4. | 1 | F, H |
| 91 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 17 | FLARE17 | Carbon Monoxide | 168.20 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit 18287/PSD-TX-730. | 1 | F, H |
| 92 | 143353 | ETSC 001323 - 001324 | 08/09/2010 17:10 | 08/09/2010 18:31 | 1:21 | 53.6 of the total 53.6 are authorized by Permit #18287/PSD-TX-730 | Fluidized Catalytic Cracking Unit | FCCU-3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 0.00 | 3736.48 | A coupling on the common discharge header for the Wet Gas Scrubber Recirculation Pumps (P-501's) developed a leak on 8/8/2010. The P-501's were shut down to install a temporary clamp. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | H |
| 93 | 144239 | ETSC 001325 - 001326 | 08/30/2010 16:02 | 08/30/2010 16:39 | 0:37 | Not specifically authorized | West Loop Flare System | Flare Stack 4 | FLARE04 | Carbon Monoxide | 12.50 | 3736.48 | Loss of flame on flare pilots. The event has ended. Portions of the unit emissions are authorized by Permit 18287/PSD-TX-730. | 1 | F, H |
| 94 | 146940 | ETSC 001341 - 001342 | 11/02/2010 2:00 | 11/02/2010 5:00 | 3:00 | 1168 lbs of total 2553 lbs are authorized by Flex PAL Permit #18287/PSD-TX-730M4 | Fluidized Catalytic Cracking Unit 2 (FCCU2) | FCCU2 Wet Gas Scrubber | FCCU2WGS | Carbon Monoxide | 1,385.00 | 3736.48 | Loss of oxygen to FCCU2 from third party supplier. Portions of emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M4. | 1 | H |
| 95 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Portions may be authorized under Permit 18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 (HCU1) | Flare Stack 11 | FLARE11 | Carbon Monoxide | 53.06 | 3736.48 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | F, H |
| 96 | 179694 | ETSC 072917 - 072918 | 2/22/13 18:24 | 2/23/13 1:31 | 7:07 | 4988 LBS of total 31733 LBS are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluid Catalytic Cracking Unit 3 | Cat Regenerator | FCCU3WGS | Carbon Monoxide | 2,645.00 | 3,736.48 | CO Boiler trip resulted in emissions from the wet gas scrubber at the Fluidized Catalytic Cracking Unit 3 (FCCU3). | 1 | H |
| 97 | 182695 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Not specifically authorized | Hydroformer 3 | Flange | | Carbon Monoxide | 1.10 | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | H |
| 98 | 187800 | ETSC 073073 - 073074 | 8/27/13 8:30 | 8/27/13 16:45 | 8:20 | 206 lbs of total 206 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7. | Fluidized Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 0.00 | 3736.48 | FCCU3 Selective Catalytic Reduction (SCR) system tripped causing NOx emissions to increase. | 1 | |
| 99 | 66872 | ETSC 000732 - 000733 | 11/5/05 0:06 | 11/6/05 4:16 | 28:10 | Not specifically authorized | Booster Station 4 | Flare 27 | FLARE27 | Carbon Monoxide | 7,255.00 | 0.00 | Replaced 250 foot section of jet vent gas line. The refinery flares are permitted under Permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, H, R-RQ |
| 100 | 66884 | ETSC 000734 - 000735 | 11/1/05 8:51 | 11/2/05 13:46 | 28:55 | Not specifically authorized | Hydrofining Unit 4 | Flare Stack 26 | FS26 | Carbon Monoxide | 14,822.00 | 0.00 | HFA furnace maintenance resulting in flaring of Low BTU Gas (LHG) normally consumed by the furnace. | 2 | F, H, R-RQ |
| 101 | 67926 | ETSC 000730 - 000731 | 11/13/05 5:24 | 11/14/05 11:29 | 30:05 | Not specifically authorized | Flexicoker Unit | Flare Stack 25 | FS25 | Carbon Monoxide | 444.00 | 0.00 | Pump P-329A tripped at Flexicoker resulting in flaring. Portions of the Flexicoker are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, H |
| 102 | 70283 | ETSC 000806 - 000807 | 1/10/06 8:00 | 1/11/06 18:00 | 34:00 | Not specifically authorized | Flexicoker Unit | FKK GTG/WHB301 | FKXGTGWHB | Carbon Monoxide | 11,229.00 | 0.00 | During the shutdown of the unit, GTG/WHB-301 exceeded it's NOX RACT 24-hour rolling average limit of 400 ppm CO. GTG/WHB-301 is permitted under Permit #18287. | 2 | H, R-RQ |
| 103 | 76445 | ETSC 000915 - 000916 | 6/7/06 10:00 | 6/9/06 1:44 | 39:44 | Permit #9163 | Sulfur Conversion Unit | SCU2 F-549 | SCU2 F-549 | Carbon Monoxide | 70.00 | 1.00 | Restart of Claus B following inspection and repair. Natural gas will be routed to the S-549 incinerator during start-up. | 2 | H |
| 104 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized. 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | CO Boiler Bypass Stack | | Carbon Monoxide | 20,077.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | 2 | H, R-RQ |
| 105 | 83409 | ETSC 001055 - 001056 | 10/31/06 23:17 | 11/1/06 1:00 | 25:43 | Permit by Rule 30 TAC 106.263. 500 ppm limit per 40 CFR 63.1565(c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber Stack | | Carbon Monoxide | 28,429.00 | 5000.00 | Valve leaked regenerator flue gas through boiler SG-501C during maintenance. Flue gas was partially treated in Wet Gas Scrubber. Event has ended. Unit has returned to normal operations. Portions of FCCU3 are permitted in Permit 18287. | 2 | H, R-RQ |
| 106 | 83474 | ETSC 001047 - 001048 | 11/3/06 13:00 | 11/5/06 0:01 | 35:01 | Permit 18287, 500 ppm limit per 40 CFR 63.165(c)(1), 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Stack | | Carbon Monoxide | 51,388.00 | 3804.09 | High fuel gas burner pressure caused by an obstruction in the seal drum increased carbon monoxide concentration in Wet Gas Scrubber. Federal and State carbon monoxide limits were exceeded. Boilers SG-501A and SG-501B tripped offline. Regenerator flue gas continued to be partially treated in the Wet Gas Scrubber throughout the event. The event has ended. Operations have returned to normal. Event details are under investigation. Portions of FCCU3 are permitted under Permit 18287. | 2 | H, R-RQ |
| 107 | 89683 | ETSC 000985 - 000986 | 4/13/07 5:27 | 4/14/07 8:03 | 26:36 | Not specifically authorized | Fluid Catalytic Cracking Unit 3; CO Boiler | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 48,822.00 | 0.00 | CO boiler SG-501C went off-line unexpectedly on the morning of 5/13/07 causing unauthorized emissions at the wet gas scrubber stack. The boiler was restarted a few hours later and returned to normal operation. Hourly emissions were back to normal by 2:30pm; the 24-hr rolling average for Carbon Monoxide stayed above the 400ppm limit set in 30 TAC Chapter 117 until 8:00am the next day. Portions of the FCCU3 are authorized under Flexible Permit Number 18287/PSD-TX-730. | 2 | H, R-RQ |
| 108 | 106240 | ETSC 001083 - 001084 | 04/13/2008 14:20 | 04/15/2008 2:12 | 35:52 | PAL Permit 18287/PSD-TX-302M4 | CO Boiler C | FCCU3 Wet Gas Scrubber | FCCU3 | Carbon Monoxide | 9,052.00 | 3804.09 | Planned Maintenance resulted in startup of FCCU3 C Boiler. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M4. | 2 | H, R-RQ |
| 109 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | 30 TAC 117 400 ppm - 31404 lb authorized | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | Carbon Monoxide | 111,667.00 | 0.00 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | H, R-RQ |
| 110 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Carbon Monoxide | 9,031.00 | 0.00 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | H, R-RQ |
| 111 | 120022 | ETSC 001180 - 001181 | 02/13/2009 19:00 | 02/15/2009 16:00 | 45:00 | 19840 lbs of 27231 are authorized by PAL Permit 18287/PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCUWGS | Carbon Monoxide | 27,231.00 | 3804.09 | FCCU2 start up after planned shutdown for planned maintenance. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M4. | 2 | H, R-RQ |
| 112 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 Bypass Stack | Carbon Monoxide | 61,369.00 | 0.00 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | H, R-RQ |
| 113 | 124763 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 15 | FS15 | Carbon Monoxide | 2,216.00 | 3736.48 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | F, H |
| 114 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Carbon Monoxide | 558.00 | 0.00 | CO Boiler SG501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | H |
| 115 | 132400 | ETSC 001247 - 001248 | 11/25/2009 7:59 | 11/26/2009 21:00 | 37:01 | Not specifically authorized | FCCU3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 105,321.00 | 3736.48 | Startup FCCU3 from planned maintenance. Event ended on 11/26/09 at 21:00, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 11/27/09 21:00. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M4. | 2 | H, R-RQ |
| 116 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 23.57 lbs of the total 55.80 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 11 | FLARE11 | Carbon Monoxide | 32.23 | 3,736.48 | Compressor trip resulted in an atmospheric release at a HCU1 safety vent and safe utilization of the flare system. | 2 | F, H |
| 117 | 84046 | ETSC 001041 - 001042 | 11/20/06 10:25 | 11/22/06 11:19 | 48:54 | 500 ppm RMACT II and 400 ppm NOX RACT | Fluid Catalytic Cracking Unit 3; CO Boiler 501C | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 111,871.00 | 0.00 | CO boiler SG-501C was taken out of service periodically to perform maintenance on the electrical circuit that provides power to its instrumentation. The boiler had to remain out of service longer than expected to make the necessary repairs. The extended duration of the downtime caused the unit to exceed the pre-notified emissions. Portions of the FCCU3 are authorized under permit #18287. | 3 | H, R-RQ |
| 118 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 25 | FLARE 25 | Carbon Monoxide | 8.10 | 3736.48 | Emissions due to loss of Flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 3 | F, H |
| 119 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 4 | FLARE4 | Carbon Monoxide | 61.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 4 | F, H |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|--------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------|--------------|-----------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| 2 | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 120 | 124215 | EOMCS 00024373 - 00024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | Carbon Monoxide | 2.00 | 3804.09 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 4 | F, H |
| 121 | 126082 | ETSC 001221 - 001123 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 7303 lbs of the 7303 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (FOX) | FN Fired Sources | | Carbon Monoxide | 7,303.00 | 3736.48 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 4 | H, R-RQ |
| 122 | 71454 | ETSC 000784 - 000785 | 2/22/06 13:55 | 2/27/06 0:00 | 106:05 | Not specifically authorized | Flexicoker Unit | GTG301 WHB Bypass Stack | | Carbon Monoxide | 5,385.00 | 0.00 | Run in test of Flexicoker Unit GTG 301 resulting in turbine emissions being routed through the Waste Heat Boiler bypass stack. | 5 | H, R-RQ |
| 123 | 102063 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Not specifically authorized | Sulfur Conversion Unit 2 | Furnace 702 | SCU2F702 | Carbon Monoxide | 67.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2I501 were authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Also, flexible Permit #18287 SC30 authorized emissions from SCU2D702. | 5 | H |
| 124 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All Blend Gas Fired Sources | | Carbon Monoxide | 85.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | H |
| 125 | 72319 | ETSC 000780 - 000781 | 2/27/06 9:00 | 3/5/06 7:00 | 142:00 | Not specifically authorized | Flexicoker Unit | GTG301 | FXKWHB301 | Carbon Monoxide | 31,493.00 | 0.00 | Start-up of the Flexicoker Gas Turbine after a unit turnaround. During start-up exceeded NOx RACT and RMACT II CO Concentration limits of 400 ppm and 500 ppm. Portions of the Flexicoker are permitted under Permit #18287. | 6 | H, R-RQ |
| 126 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Portions of these emissions may be authorized by Permit #18287 | Gas Treating | Flare 20 | FL20 | Carbon Monoxide | 6,335.41 | 3736.48 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | 7 | F, H, R-RQ |
| 127 | 82899 | ETSC 001057 - 001058 | 10/20/06 3:00 | 10/28/06 12:00 | 201:00 | Flexible Permit #18287 | Fuels North | Fuels North Combustion Devices | FNCOMBDV | Carbon Monoxide | 19,165.00 | 4199.43 | The MEA Tower System had a leaking exchanger that resulted in increased levels of H2S in the blend gas system and in Tank 501. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The possible emission sources are: HSK: F901/26/701/202/802/804/401/402/403/404/405 HDS: F301/201/227/703 FXK: F301/WHB301 Portions of the Refinery are authorized under permit 18287 and PSD-TX-730M3. | 9 | H, R-RQ |
| 128 | 114161 | ETSC 001156 - 001153 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All BG Fired Units (SEE PERMIT) | | Carbon Monoxide | 109.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | 19 | H |
| 129 | 109166 | ETSC 001103 - 001104 | 05/15/2008 17:00 | 07/25/2008 14:00 | 1701:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 | Carbon Monoxide | 151,214.00 | 0.00 | A malfunction of seal tank internals to the FCCU3 bypass stack caused emissions to escape through the stack. Portions of the refinery are authorized by PAL permit number 18287. | 71 | H, R-RQ |
| 130 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | | Flexicoker Unit & Delayed Coker Unit | DCUF602 | DCUF602 | Carbon Monoxide | 12.00 | 4199.43 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 131 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | FXK WHB 301 | FXKGTGWHB | Carbon Monoxide | 6.00 | 4199.43 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 132 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | FXKF301 | FXKF301 | Carbon Monoxide | 5.00 | 4199.43 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 133 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 5 | FLARE5 | Carbon Monoxide | 10.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 134 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 3 | FLARE3 | Carbon Monoxide | 10,017.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 135 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 18 | FLARE 18 | Carbon Monoxide | 7.70 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 136 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 20 | FLARE 20 | Carbon Monoxide | 7.70 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 137 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 21 | FLARE 21 | Carbon Monoxide | 7.70 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 138 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Substation 5 - Transformers T501, T502 & T503 | | Carbon Monoxide | 22.40 | 0.00 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | already counted | |
| 139 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 16 | Flare16 | Carbon Monoxide | 46.00 | 542.70 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | already counted | |
| 140 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Permit 18287, 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Stack | | Carbon Monoxide | 20,604.00 | 3804.09 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | already counted | |
| 141 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare Stack 26 | FS26 | Carbon Monoxide | 284.00 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18293 | already counted | |
| 142 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | Permit 18287 and 30 TAC 117 400 ppm - 3590 lb authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubbe | FCCU3WGS | Carbon Monoxide | 18,330.00 | 3804.09 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | already counted | |
| 143 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 25 | FS25 | Carbon Monoxide | 271.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 144 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Carbon Monoxide | 151.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 145 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 27 | FLARE27 | Carbon Monoxide | 1,315.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|------------------------------|----------------------------------|----------------------------------|-----------|-----------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 146 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 11 | FLARE11 | Carbon Monoxide | 1,127.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 147 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 14 | FLARE14 | Carbon Monoxide | 2,787.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 148 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 15 | FLARE15 | Carbon Monoxide | 1,127.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 149 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 17 | FLARE17 | Carbon Monoxide | 4,364.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 150 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 18 | FLARE18 | Carbon Monoxide | 137.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 151 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 19 | FLARE19 | Carbon Monoxide | 4.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 152 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 20 | FLARE20 | Carbon Monoxide | 3,957.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 153 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 21 | FLARE21 | Carbon Monoxide | 270.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 154 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 3 | FLARE3 | Carbon Monoxide | 3,590.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 155 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 4 | FLARE4 | Carbon Monoxide | 2,487.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 156 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 5 | FL5 | Carbon Monoxide | 15.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 157 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 6 | FLARE6 | Carbon Monoxide | 104.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 158 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 F-529 | SCU2F529 | Carbon Monoxide | 590.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 159 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCU2WG5 | Carbon Monoxide | 12,621.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 160 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU3 D505 | FCCU3WG5 | Carbon Monoxide | 11,966.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 161 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU3 F-103 | FCCU3F103 | Carbon Monoxide | 163.00 | 3,804.09 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 162 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Not specifically authorized | Baytown Refinery Operating Units | HF3 MOV32 Flange Flash Fire | | Carbon Monoxide | 1.00 | 0.00 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 163 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | CLEU T-62 Feed Line Pinhole Leak | | Carbon Monoxide | 1.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 164 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 11 | FLARE11 | Carbon Monoxide | 4,957.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 165 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 18 | FLARE18 | Carbon Monoxide | 386.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 166 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 21 | FLARE21 | Carbon Monoxide | 319.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 167 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare Stack 26 | FS26 | Carbon Monoxide | 3.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 168 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 14 | FLARE14 | Carbon Monoxide | 11,382.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 169 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 16 | FLARE16 | Carbon Monoxide | 6.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|----------|-----------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 170 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 17 | FLARE17 | Carbon Monoxide | 10,687.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Droad) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 171 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 6 | FLARE6 | Carbon Monoxide | 1,260.00 | 3,804.09 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Droad) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 172 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 259,848.00 | 3736.48 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 173 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 31,863.00 | 3736.48 | CO Boiler S6501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 174 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 5,037.00 | 3736.48 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 175 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | Carbon Monoxide | 1,549.00 | 3804.09 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 176 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | Carbon Monoxide | 15.00 | 3804.09 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 177 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 184 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | Carbon Monoxide | 184.00 | 3804.09 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 178 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | Carbon Monoxide | 13.00 | 3804.09 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 179 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | Carbon Monoxide | 13.00 | 3804.09 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 180 | 124761 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 16 | FS16 | Carbon Monoxide | 305.00 | 3736.48 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Desalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 181 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | Carbon Monoxide | 1.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 182 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | Carbon Monoxide | 9.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 183 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 17 | FLARE17 | Carbon Monoxide | 129.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 184 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 20 | FLARE20 | Carbon Monoxide | 3.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 185 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | Carbon Monoxide | 180.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 186 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | Carbon Monoxide | 1.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 187 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | Carbon Monoxide | 101.00 | 3736.48 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 188 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Carbon Monoxide | 39,597.00 | 3736.48 | CO Boiler S6501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 189 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (F00) | Flare Stack 25 | FL25 | Carbon Monoxide | 1.00 | 3736.48 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 190 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 103105 lbs of the 158107 lbs are authorized by Permit # 18287 & PSD-TX-730M4. | Flexicoker (F00) | Flare Stack 26 | FL26 | Carbon Monoxide | 158,107.00 | 3736.48 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 191 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (F00) | Flare Stack 27 | FL27 | Carbon Monoxide | 1.00 | 3736.48 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 192 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flexicoker Waste Heat Boiler Bypass Stack | | Carbon Monoxide | 1,326.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | already counted | |
| 193 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically permitted | Hydrocracker Unit 1 | Flare17 | FLARE17 | Carbon Monoxide | 1,566.00 | 3804.09 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 194 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare3 | FL3 | Carbon Monoxide | 213.00 | 3804.09 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 195 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare6 | FL6 | Carbon Monoxide | 104.00 | 3804.09 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 196 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 20 | FL20 | Carbon Monoxide | 42.83 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 197 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 29 | FL29 | Carbon Monoxide | 8.58 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 198 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 3 | FL3 | Carbon Monoxide | 453.94 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 199 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 4 | FLARE04 | Carbon Monoxide | 135.01 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 200 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 5 | FL5 | Carbon Monoxide | 709.72 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 201 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 6 | FL6 | Carbon Monoxide | 171.32 | 3736.48 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 202 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 26 | FLARE 26 | Carbon Monoxide | 42,924.10 | 3736.48 | Emissions due to loss of Flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 203 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Portions may be authorized under Permit 18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 | FLARE14 | Carbon Monoxide | 253.02 | 3736.48 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 204 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 22.20 lbs of the total 873.90 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 14 | FLARE14 | Carbon Monoxide | 851.70 | 3,736.48 | Compressor trip resulted in an atmospheric release at a HCU1 safety vent and safe utilization of the flare system. | already counted | |
| 205 | 78472/ 80119 | ETSC 000897 - 000898; ETSC 000903 - 000904; EOMCS 00232129 - 232130 | 6/12/06 2:00 | 6/16/06 10:20 | 104:30 | 500 ppm limit per 40 CFR 63.1565(c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber Stack | FCCU2WGS | Carbon Monoxide | 98,121.00 | 0.00 | During FCCU2 startup last month, CO RMACT II 3-hour average limit and NOx RACT CO 24-hour average limit from the Wet Gas Scrubber stack was exceeded. Portions of the refinery are authorized under Permit #18287. | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------|--------------------|------------------------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 206 | 78472/80119 | ETSC 000897 - 000898; ETSC 000903 - 000904; EOMCS 00232129 - 232130 | 6/12/06 2:00 | 6/16/06 10:20 | 104:30 | 500 ppm limit per 40 CFR 63.1565(c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber Stack | FCCU2WGS | Carbon Monoxide | 98,121.00 | 0.00 | Improved calculation methodology of the CO RMACT II and NOX RACT CO limits showed an exceedance greater than the reportable quantity. This new information extends the duration and emissions of the June FCCU2 Startup event reported in STEERS #78472. On August 18, 2006, final calculations showed new estimates warranted reporting. Per TCEQ request, the report is being submitted to reflect this new information. Portions of the refinery are authorized under Permit #18287. | | |
| 207 | | | | | | | | | | | | | TOTAL - CARBON MONOXIDE | 208 | 205 |
| 208 | 95557 | ETSC 000959 - 000960 | 8/7/07 7:13 | 8/7/07 8:33 | 1:20 | COS authorized under permit 18287 | Sulfur Conversion Unit; Tail Gas Cleanup Unit | T-601 | SCU2T601 | Carbonyl Sulfide | 13.50 | 29.00 | A temporary loss of amine flow to absorber tower T-601 led to increased hydrogen sulfide emissions at Flexsorb Absorber Vent T-601. The event has ended and the unit is back to normal operation. There was no impact to production and all customers' needs were met. Emissions from the Sulfur Conversion Unit (SCU2) are authorized under Flexible Permit #18287. | 1 | |
| 209 | 109887 | ETSC 001105 - 001106 | 06/22/2008 10:00 | 06/25/2008 1:00 | 63:00 | All emission from this EPN authorized by Flexible Permit 18287 SC30 | Claus Sulfur Recovery Unit | Drum 702 | SCU2D702 | Carbonyl sulfide | 2.30 | 0.00 | During a Claus D unit start-up, a sulfur condenser in the unit plugged causing the downstream flexsorb absorber vent to exceed permit limits. Portions of the Refinery are authorized by PAL permit number 18287/PSD-TX-730M4. | already counted | |
| 210 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Portion of emissions authorized under permit 18287 PSD No TX730M4/PAL | Sulfur Conversion Unit 2 | Tower 601 | SCU2T601 | Carbonyl sulfide | 1,822.80 | 29.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2T702 and SCU2T601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Also, flexible Permit #18287 SC30 authorized emissions from SCU2D702. | 5 | R-RQ, R-M |
| 211 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 D-702 | SCU2D702 | Carbonyl sulfide | 9.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | |
| 212 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Flexible Permit 18287 SC 30 | Sulfur Conversion Unit 2 | Drum 702 | SCU2D702 | Carbonyl sulfide | 4.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2T702 and SCU2T601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Also, flexible Permit #18287 SC30 authorized emissions from SCU2D702. | already counted | |
| 213 | 109887 | ETSC 001105 - 001106 | 06/22/2008 10:00 | 06/25/2008 1:00 | 63:00 | 1180 lbs or 1455 lbs are authorized | Claus Sulfur Recovery Unit | Flexsorb Absorber Vent | SCU2R601 | Carbonyl sulfide | 1,455.00 | 29.00 | During a Claus D unit start-up, a sulfur condenser in the unit plugged causing the downstream flexsorb absorber vent to exceed permit limits. Portions of the refinery are authorized by PAL permit number 18287/PSD-TX-730M4. | 4 | R-RQ, R-M |
| 214 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 T601 | SCU2T601 | Carbonyl sulfide | 1.00 | 1.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 215 | | | | | | | | | | | | | TOTAL - CARBONYL SULFIDE | 15 | 9 |
| 216 | 156948 | ETSC 068110 - 068111 | 7/5/11 14:50 | 7/7/11 14:50 | 48:00 | Not specifically authorized | Oil Movements Area 1 | Area 1, Spill | | Crude Oil | 2,112.23 | 0.00 | Spill was caused from leak in pipe. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. The event has ended. | 2 | |
| 217 | | | | | | | | | | | | | TOTAL - CRUDE OIL | 2 | |
| 218 | 102440 | ETSC 001067 - 001068 | 01/14/2008 17:11 | 01/14/2008 17:12 | 0:01 | Not specifically authorized | Baytown Refinery | Gas Turbine 45 | | Halon 1301 (Bromotrifluoromethane) | 300.00 | 0.00 | Temperature excursion on Gas Turbine 45 resulted in release of halon into gas turbine enclosure. Portions of refinery permitted under Permit 18287/PSD-TX-730. | 1 | |
| 219 | 179091 | ETSC 072915 - 072916 | 1/25/13 15:00 | 1/25/13 15:30 | 0:30 | Not specifically authorized | Crude and Delayed Coking Control Center Annex Building | Halon Fire Suppression System | | Halon 1301 (Bromotrifluoromethane) | 910.00 | 0.00 | Discharge of Halon 1301 fire suppression system inside control center annex after electrical maintenance. | 1 | |
| 220 | | | | | | | | | | | | | TOTAL - HALON | 2 | |
| 221 | 66438 | ETSC 000736 - 000737 | 10/14/05 2:47 | 10/14/05 20:21 | 17:34 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Bypass | | Hydrogen Cyanide | 900.00 | 0.00 | FCCU3 C Boiler tripped offline at 2:47 and again shortly after start-up at noon. Cause of event currently under investigation. | 1 | R-RQ |
| 222 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Hydrogen Cyanide | 4.00 | 0.00 | CO Boiler S6501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 223 | 126586 | ETSC 001224 - 001225 | 07/08/2009 11:00 | 07/08/2009 12:00 | 1:00 | | FCCU2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | Hydrogen Cyanide | 12.90 | 6014.44 | Loss of oxygen to FCCU2. A portion of emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. Calculations show emissions were below reportable quantity. | 1 | R-RQ |
| 224 | 146940 | ETSC 001341 - 001342 | 11/02/2010 2:00 | 11/02/2010 5:00 | 3:00 | Portions of these emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M4 | Fluidized Catalytic Cracking Unit 2 (FCCU2) | FCCU2 Wet Gas Scrubber | FCCU2WGS | Hydrogen Cyanide | 74.00 | 6010.61 | Loss of oxygen to FCCU2 from third party supplier. Portions of emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 1 | R-RQ |
| 225 | 179694 | ETSC 072917 - 072918 | 2/22/13 18:24 | 2/23/13 1:31 | 7:07 | Portions may be authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluid Catalytic Cracking Unit 3 | Cat Regenerator | FCCU3WGS | Hydrogen cyanide | 45.00 | 0.00 | CO Boiler trip resulted in emissions from the wet gas scrubber at the Fluidized Catalytic Cracking Unit 3 (FCCU3). | 1 | R-RQ |
| 226 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized. 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | CO Boiler Bypass Stack | | Hydrogen Cyanide | 61.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also required to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | 2 | |
| 227 | 83409 | ETSC 001055 - 001056 | 10/31/06 23:17 | 11/1/06 1:00 | 25:43 | Permit by Rule 30 TAC 106.263 | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber Stack | | Hydrogen Cyanide | 18.00 | 10.00 | Valve leaked regenerator flue gas through boiler SG-501C during maintenance. Flue gas was partially treated in Wet Gas Scrubber. Event has ended. Unit has returned to normal operations. Portions of FCCU3 are permitted in Permit 18287. | 2 | R-RQ |
| 228 | 83474 | ETSC 001047 - 001048 | 11/3/06 13:00 | 11/5/06 0:01 | 35:01 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Stack | | Hydrogen Cyanide | 166.00 | 0.00 | High fuel gas burner pressure caused by an obstruction in the seal drum increased carbon monoxide concentration in Wet Gas Scrubber. Federal and State carbon monoxide limits were exceeded. Boilers SG-501A and SG-501B tripped offline. Regenerator flue gas continued to be partially treated in the Wet Gas Scrubber throughout the event. The event has ended. Operations have returned to normal. Event details are under investigation. Portions of FCCU3 are permitted under Permit 18287. | 2 | R-RQ |
| 229 | 89687 | ETSC 000985 - 000986 | 4/13/07 5:27 | 4/14/07 8:03 | 26:36 | Not specifically authorized | Fluid Catalytic Cracking Unit 3; CO Boiler | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen cyanide | 151.00 | 0.00 | CO boiler SG-501C went off-line unexpectedly on the morning of 5/13/07 causing unauthorized emissions at the wet gas scrubber stack. The boiler was restarted a few hours later and returned to normal operation. Hourly emissions were back to normal by 2:30pm, but the 24-hr rolling average for Carbon Monoxide stayed above the 400ppm limit set in 30 TAC Chapter 117 until 8:00am the next day. Portions of the FCCU3 are authorized under Flexible Permit Number 18287/PSD-TX-730. | 2 | R-RQ |
| 230 | 106240 | ETSC 001083 - 001084 | 04/13/2008 14:20 | 04/15/2008 2:12 | 35:52 | PAL Permit 18287/PSD-TX-302M4 | CO Boiler C | FCCU3 Wet Gas Scrubber | FCCU3 | Hydrogen Cyanide | 8.00 | 6014.44 | Planned Maintenance resulted in startup of FCCU3 C Boiler. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | |
| 231 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | No specific emissions authorized | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | Hydrogen Cyanide | 142.00 | 0.00 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | R-RQ |
| 232 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Hydrogen Cyanide | 13.00 | 0.00 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | R-RQ |
| 233 | 120022 | ETSC 001180 - 001181 | 02/13/2009 19:00 | 02/15/2009 16:00 | 45:00 | 18.5 lbs of 18.5 are authorized by PAL Permit 18287/PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCUWGS | Hydrogen Cyanide | 18.50 | 6014.44 | FCCU2 start up after planned shutdown for planned maintenance. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | R-RQ |
| 234 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 Bypass Stack | Hydrogen Cyanide | 88.00 | 0.00 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | R-RQ |
| 235 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Hydrogen Cyanide | 1.00 | 0.00 | CO Boiler S6501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 236 | 132400 | ETSC 001247 - 001248 | 11/25/2009 7:59 | 11/26/2009 21:00 | 37:01 | Not specifically authorized | FCCU3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 150.00 | 6010.61 | Startup FCCU3 from planned maintenance. Event ended on 11/26/09 at 21:00, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 11/27/09 21:00. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | R-RQ |
| 237 | 84046 | ETSC 001041 - 001042 | 11/20/06 10:25 | 11/22/06 11:19 | 48:54 | Not specifically authorized | Fluid Catalytic Cracking Unit 3; CO Boiler 501C | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 285.00 | 0.00 | CO boiler SG-501C was taken out of service periodically to perform maintenance on the electrical circuit that provides power to its instrumentation. The boiler had to remain out of service longer than expected to make the necessary repairs. The extended duration of the downtime caused the unit to exceed the pre-notified emissions. Portions of the FCCU3 are authorized under permit #18287. | 3 | R-RQ |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|-------------------------------------------------------------------------|-----------------------------------------------|---------------------------|----------------|------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 238 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 D505 | FCCU3WGS | Hydrogen Cyanide | 175.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730M4. | 5 | R-RQ |
| 239 | 109166 | ETSC 001103 - 001104 | 05/15/2008 17:00 | 07/25/2008 14:00 | 1701:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 | Hydrogen Cyanide | 233.00 | 0.00 | A malfunction of seal tank internals to the FCCU3 bypass stack caused emissions to escape through the stack. Portions of the refinery are authorized by PAL permit number 18287. | 71 | R-RQ |
| 240 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Stack | | Hydrogen Cyanide | 38.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | already counted | |
| 241 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | Permit 18287 - 8 lb authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 8.00 | 6014.44 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | already counted | |
| 242 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Hydrogen Cyanide | 3.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730M4. | already counted | |
| 243 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 371.00 | 6014.44 | Boilers B and C tripped offline while A boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 244 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 45.00 | 6010.61 | CO Boiler SGG501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | R-RQ |
| 245 | 123799 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 5.00 | 6014.44 | FCCU3 CO Boiler A tripped offline while B boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 246 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Hydrogen Cyanide | 56.00 | 6010.61 | CO Boiler SGG501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | R-RQ |
| 247 | | | | | | | | | | | | | TOTAL - HYDROGEN CYANIDE | 106 | 104 |
| 248 | 68601 | ETSC 000724 - 000725 | 11/29/05 16:00 | 11/30/05 4:30 | 12:30 | No specific emissions authorizations for this facility | Propane Dewaxing Unit | Chiller Overhead Line | | Hydrogen Sulfide | 62.00 | 0.00 | Flange leak on chiller overhead line at CV074-2 resulted in emissions to atmosphere. Cause is still under investigation. | 1 | |
| 249 | 68705 | ETSC 000726 - 000727 | 11/29/05 20:00 | 11/29/05 23:30 | 3:30 | No specific emissions authorizations for this facility | Hydrofining Unit 9 | HU9 T-371 | | Hydrogen Sulfide | 38.00 | 0.00 | Leak off of HU9 T-371 resulting in emissions to atmosphere. Cause is still under investigation. | 1 | |
| 250 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 15 | Flare15 | Hydrogen Sulfide | 3.80 | 15.68 | Fire at Electrical Substation #5, servicing the lube plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEX, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the refinery are permitted under Permit #18287. | 1 | F |
| 251 | 76501 | ETSC 000830 - 000831 | 5/31/06 9:15 | 5/31/06 9:20 | 0:05 | Not specifically authorized | Hydrocracking Unit 1 | D902 & D401 | D902 & D401 | Hydrogen Sulfide | 267.00 | 0.00 | Unit instability due to compressor C-701 issues resulted in depressuring to D-401 and D-902 atmospheric vents. The event has ended and unit personnel are restarting the unit. The VOC portion represents C6's and higher. Portions of HCU1 are authorized under permit #18287. | 1 | O-RQ, R-RQ, O-M, R-M |
| 252 | 76597 | ETSC 000826 - 000827 | 6/1/06 17:30 | 6/1/06 21:30 | 4:00 | Not specifically authorized | Fuels East Flare System | Flare 14 | FLARE14 | Hydrogen Sulfide | 2.00 | 0.00 | Two pilot outages occurred on flare stack 14 over the course of 4 hours. VOC is C6+ unspeciated material. Portions of the Fuels East Flare System are authorized under permit #18287. | 1 | F |
| 253 | 78441 | ETSC 000881 - 000882 | 7/12/06 11:35 | 7/13/06 9:47 | 22:12 | Not specifically authorized | Booster Station 4 | Hole in piping at B54 | | Hydrogen Sulfide | 117.00 | 0.00 | Pin hole leak on line at Booster Station 4. Portions of the Refinery are permitted under Permit #18287. | 1 | O-RQ, R-RQ |
| 254 | 79488 | ETSC 000877 - 000878 | 8/4/06 22:46 | 8/4/06 23:04 | 0:18 | No specific authorization | Hydrocracker Unit | D902 & D401 | D902 & D401 | Hydrogen Sulfide | 414.00 | 0.00 | The HCU unit tripped off-line which resulted in depressuring to D-401 and D-902 atmospheric vents. Portions of the HCU unit are covered under permit #18287/PSD-TX-730-M3. | 1 | O-RQ, R-RQ |
| 255 | 80937 | ETSC 000862 - 000863 | 8/29/06 22:40 | 8/30/06 0:20 | 1:40 | Not specifically authorized | Baytown Refinery Operating Units - F514 | Flare 14 | FLARE14 | Hydrogen Sulfide | 11.09 | 0.00 | Flameout on all pilot lights. Portions of the facility are authorized under permit number 18287. | 1 | F |
| 256 | 83410 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | Hydrogen Sulfide | 150.00 | 0.00 | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas oil (VOC-PGO). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is CS thru C8s. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | O-RQ, R-RQ |
| 257 | 83907 | ETSC 001043 - 001044 | 11/15/06 1:00 | 11/15/06 5:00 | 4:00 | Not specifically authorized | Catalytic Light Ends Unit 2 | D-41 Line Pinhole | Pinhole Leak | Hydrogen Sulfide | 168.00 | 0.00 | A pinhole leak was discovered in an overhead line to a knockout drum (D-41) at the Catalytic Light Ends Unit (CLEU2). The event has ended. Portions of the Catalytic Light Ends Unit are covered under permit #18287. | 1 | O-RQ, R-RQ |
| 258 | 85962 | ETSC 001027 - 001028 | 1/11/07 20:25 | 1/11/07 21:10 | 0:45 | Not specifically authorized | Gofiner | Gofiner Unit 1 Fugitives | GF1FUG | Hydrogen Sulfide | 0.20 | 0.00 | A seal on a unit pump failed which resulted in a release of hot air oil vapors to the atmosphere. Portions of the Gofiner Unit are covered under Permit 18287/PSD-TX-730-M4. | 1 | |
| 259 | 87852 | ETSC 000991 - 000992 | 3/2/07 12:15 | 3/3/07 4:42 | 16:27 | | Low Btu Gas Fired Sources | Low Btu Gas Fired Sources | LBGSR | Hydrogen Sulfide | 1.50 | 0.00 | Equipment malfunction caused High H2S in the Low Btu Gas (LBG) system. Portions of the refinery are authorized under permit 18287 and PSD-TX 730M3/PAL. Emissions were intermittent between 6:43pm 3/1/07 and 11/10am 3/2/07. | 1 | |
| 260 | 95557 | ETSC 000959 - 000960 | 8/7/07 7:13 | 8/7/07 8:33 | 1:20 | Not specifically authorized | Sulfur Conversion Unit; Tail Gas Cleanup Unit | T-601 | SCU2T601 | Hydrogen Sulfide | 567.00 | 0.00 | A temporary loss of amine flow to absorber tower T-662 led to increased hydrogen sulfide emissions at Flexisorb Absorber Vent T-601. The event has ended and the unit is back to normal operation. There was no impact to production and all customers' needs were met. Emissions from the Sulfur Conversion Unit (SCU2) are authorized under Flexible Permit #18287. | 1 | O-RQ, R-RQ |
| 261 | 96515 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare 14 | FLARE14 | Hydrogen Sulfide | 0.10 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18290. | 1 | |
| 262 | 120401 | ETSC 001182 - 001183 | 02/21/2009 15:27 | 02/21/2009 18:55 | 3:28 | Not specifically authorized | Hydrocracking Unit 1 | HCU1 D401/D902 vents | | Hydrogen Sulfide | 1,928.00 | 0.00 | A valve leaked into the atmospheric drums D401/D902. Portions of HCU1 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | O-RQ, R-RQ |
| 263 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | Hydrogen Sulfide | 1.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 264 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flare Stack 26 | FL26 | Hydrogen Sulfide | 1.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | 1 | |
| 265 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | D 401/902 | | Hydrogen Sulfide | 727.00 | 0.00 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | 1 | O-RQ, R-RQ |
| 266 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 17 | FLARE17 | Hydrogen Sulfide | 5.10 | 15.78 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | F |
| 267 | 144890 | ETSC 001327 - 001328 | 09/15/2010 13:59 | 09/15/2010 15:38 | 1:39 | 0.016 of total 0.610 lbs are authorized under Permit #18287/PSD-TX-730. | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 (FCCC) | FLARE14 | Hydrogen Sulfide | 0.60 | 15.78 | Instrumentation malfunction at reactor R3 caused the depressurization valves to open for approximately six minutes, resulting in an atmospheric release at HCU1 D401 D902 and flaring at FLARE14. Portions of this unit are authorized by Permit #18287/PSD-TX-730. The event has ended. | already counted | |
| 268 | 149213 | ETSC 001346 - 001348 | 01/06/2011 20:25 | 01/07/2011 2:25 | 6:00 | Not specifically authorized | Naphtha Hydrofiner (NHF), Exchanger 702 D | Pinhole Leak | NA | Hydrogen Sulfide | 3.00 | 0.00 | Leak occurred at the thermowell on an exchanger. Portions of the unit emissions are authorized by Permit #18287. This event has ended. | 1 | |
| 269 | 153388 | ETSC 001368 - 001369 | 04/15/2011 20:15 | 04/15/2011 20:22 | 0:07 | Not specifically authorized | HCU1 | EBV 701 A/B | EBV 701 A/B | Hydrogen Sulfide | 446.00 | 0.00 | Malfunctioning temperature instrument caused depressuring through EBV 701 A/B. Emissions occurred intermittently beginning on 04/15/2011 at 8:15 PM until 04/16/2011 at 12:10 PM for a total of 8 minutes. RQ was exceeded on 04/16/2011 at 12:50 AM. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | O-RQ, R-RQ, O-M, R-M |
| 270 | 155972 | ETSC 001372 - 001373 | 6/21/11 5:13 | 6/21/11 5:34 | 0:21 | Not specifically authorized | Hydrocracking unit (HCU1) | Atmospheric vent | HCU1 D401 D902 | Hydrogen Sulfide | 192.00 | 0.00 | Power disruption resulted in shutdown of unit, causing atmospheric release at HCU1 D401 D902. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | O-RQ, R-RQ, O-M, R-M |
| 271 | 156361 | ETSC 001374 - 001375 | 6/30/11 21:29 | 6/30/11 22:36 | 1:07 | Not specifically authorized | Hydrocracking unit (HCU1) | Atmospheric vent | HCU1 D401 D902 | Hydrogen Sulfide | 153.00 | 0.00 | Exchanger leak resulted in subsequent unit shutdown and depressure through HCU1 D401 D902 atmospheric vent. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | O-RQ, R-RQ, O-M, R-M |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------|---------------------------------|---------------------------------------|------------|------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 272 | 161875 | ETSC 068035 - 068036 | 11/17/11 10:50 | 11/17/11 11:15 | 0:25 | Not specifically authorized | Gofiner | Hole in Pipe | | Hydrogen Sulfide | 109.33 | 0.00 | On 11/15/11 @ 23:00, a hole in a pipe was observed and subsequently isolated. The initial estimate indicated the emissions were below a reportable quantity. During insulation removal and inspection of the pipe on 11/17/11, the hole size indicated that emissions were higher than the initial estimate. Site Permit Number is 18287/PSD-TX-730. | 1 | O-RQ, R-RQ |
| 273 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Not specifically authorized | Hydrocracking Unit 1 (HCU1) | E-702 Exchanger | | Hydrogen Sulfide | 0.20 | 0.00 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 274 | 66872 | ETSC 000732 - 000734 | 11/5/05 0:06 | 11/6/05 4:16 | 28:10 | Not specifically authorized | Booster Station 4 | Flare 27 | FLARE27 | Hydrogen Sulfide | 484.00 | 0.00 | Replaced 250 foot section of jet vent gas line. The refinery flares are permitted under Permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, O-RQ, R-RQ |
| 275 | 66884 | ETSC 000734 - 000735 | 11/1/05 8:51 | 11/2/05 13:46 | 28:55 | Not specifically authorized | Hydrofining Unit 4 | Flare Stack 26 | FS26 | Hydrogen Sulfide | 0.30 | 0.00 | HF4 furnace maintenance resulting in flaring of Low BTU Gas (LBG) normally consumed by the furnace. | 2 | |
| 276 | 67926 | ETSC 000730 - 000731 | 11/13/05 5:24 | 11/14/05 11:29 | 30:05 | Not specifically authorized | Flexicoker Unit | Flare Stack 25 | FS25 | Hydrogen Sulfide | 233.00 | 0.00 | Pump P-329A tripped at Flexicoker resulting in flaring. Portions of the Flexicoker are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, O-RQ, R-RQ |
| 277 | 76448 | ETSC 000915 - 000916 | 6/7/06 10:00 | 6/9/06 1:44 | 39:44 | Not specifically authorized | Sulfur Conversion Unit | SCU2 F-549 | SCU2 F-549 | Hydrogen Sulfide | 13.00 | 0.00 | Restart of Claus B following inspection and repair. Natural gas will be routed to the F-549 incinerator during start-up. | 2 | |
| 278 | 124761 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 15 | FS15 | Hydrogen Sulfide | 4.40 | 6014.44 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Desasphalting Unit. Shutdown and subsequent emissions may be authorized by Permit #18287/PSD-TX-730M4. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | F |
| 279 | 142015 | ETSC 001314 - 001315 | 07/06/2010 7:30 | 07/07/2010 22:00 | 38:30 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | FNGT (Fuels North Gas Treating) | Hole in Pipe | | Hydrogen Sulfide | 225.80 | 15.78 | Leaks from two holes in feed line to T-855 (Naphtha Hydrofiner (NH) Tail Gas Scrubber). This event has ended. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 2 | O-RQ, R-RQ |
| 280 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | Portions may be authorized under Permit 18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 | Flare Stack 11 | FLARE11 | Hydrogen Sulfide | 0.02 | 15.78 | Compressor trip resulted in an atmospheric release at a HCU1 safety vent and safe utilization of the flare system. | already counted | |
| 281 | 135717 | ETSC 001282 - 001283 | 02/10/2010 9:45 | 02/12/2010 12:34 | 50:49 | Not specifically authorized | Pipe Still 7 (P57) | Flange at P57 drum | | Hydrogen Sulfide | 58.00 | 15.78 | Leak at flange on P57 drum; event has ended. Portions of the refinery emissions are authorized by Permit #18287/PSD-TX-730. | 3 | |
| 282 | 137570 | ETSC 001293 - 001294 | 03/28/2010 3:00 | 03/30/2010 16:00 | 61:00 | Not specifically authorized | Gofiner 1 (GF1) | Pipe Leak in Gofiner Tower 252 | | Hydrogen Sulfide | 369.00 | 0.00 | Emissions from pinhole leak in piping at Gofiner Tower 252. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. Emissions occurred intermittently through the duration of the event. | 3 | O-RQ, R-RQ |
| 283 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 25 | FLARE 25 | Hydrogen Sulfide | 0.20 | 15.78 | Emissions due to loss of flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 3 | |
| 284 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 4 | FLARE4 | Hydrogen Sulfide | 0.10 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesicated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 4 | |
| 285 | 109887 | ETSC 001105 - 001106 | 06/22/2008 10:00 | 06/25/2008 1:00 | 63:00 | All emission from this EPN authorized by Flexible Permit 18287 SC30 | Claus Sulfur Recovery Unit | Drum 702 | SCU2D702 | Hydrogen Sulfide | 3.60 | 0.00 | During a Claus D unit start-up, a sulfur condenser in the unit plugged causing the downstream flexorib absorber vent to exceeded permit limits. Portions of the Refinery are authorized by PAL permit number 18287/PSD-TX-730M4. | 4 | |
| 286 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Drums 401/902 | D-401/902 | Hydrogen Sulfide | 822.00 | 15.86 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 4 | O-RQ, R-RQ |
| 287 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 8.9 lbs of the 52 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (FOX) | FN Fired Sources | | Hydrogen Sulfide | 52.00 | 15.78 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 288 | 70677 | ETSC 000794 - 000795 | 1/17/06 20:00 | 1/22/06 18:00 | 118:00 | Not specifically authorized | Plant Girtbol Unit | Plant Girtbol Piping on E-803A outlet | | Hydrogen Sulfide | 895.30 | 0.00 | Initial pin hole leak in pipe on Plant Girtbol unit discovered on 1/17/06 did not result in RQ exceedance. Pipe was temporarily wrapped while a clamp was being engineered. On 1/22/06 at 7:15 AM the wrap failed and hole size increased resulting in RQ exceedance. Plant Girtbol operations are authorized as represented in Refinery permits 18287/PSD-TX-730-M3. Other Refinery permits are 9163/PSD-TX-474 (SCU2), 44533/PSD-TX-975 (LSM), 30 TAC 116.617, 30TAC106. | 5 | O-RQ, R-RQ |
| 289 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Not specifically authorized | Sulfur Conversion Unit 2 | Furnace 702 | SCU2F702 | Hydrogen Sulfide | 16.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2T601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M. Also, flexible Permit #18287 SC30 authorized emissions from SCU2D702. | 5 | |
| 290 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All Blend Gas Fired Sources | | Hydrogen Sulfide | 1.00 | 199.25 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 291 | 91325 | ETSC 000975 - 000976 | 5/17/07 6:00 | 5/22/07 19:00 | 133:00 | Not specifically authorized | Oil Movements Area 1 | Tank 998 | TK0998 | Hydrogen Sulfide | 182.00 | 0.00 | Loss of flotation on Tank 998 floating roof. Event is under investigation but most likely cause is that floating roof became entangled with tank's roof anti-rotation device. Tank contained oil destined for refinery recycle. Portions of Oil Movements Area 1, including Tank 998, are authorized in permit 18287. No impact on production and all customer needs were met. Event has ended. | 6 | O-RQ, R-RQ |
| 292 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Portions of these emissions may be authorized by Permit #18287 | Gas Treating | Flare 20 | FL20 | Hydrogen Sulfide | 665.34 | 15.78 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | 7 | F, O-RQ, R-RQ |
| 293 | 82896 | ETSC 001057 - 001058 | 10/20/06 3:00 | 10/28/06 12:00 | 201:00 | Not specifically authorized | Fuels North | Tank No. 501 | TK0501 | Hydrogen Sulfide | 33.00 | 0.00 | The MEA Tower System had a leaking exchanger that resulted in increased levels of H2S in the blend gas system and in Tank 501. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The possible emission sources are: HSK: F901/926/701/801/802/803/804/ 401/402/403/404/405 HDS: F301/201/227/703 FFK: F301/WHB301 Portions of the Refinery are authorized under permit 18287 and PSD-TX-730M3. | 9 | |
| 294 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All BG Fired Fired Units (SEE PERMIT) | | Hydrogen Sulfide | 1.00 | 15.86 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 295 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 5 | FLARES | Hydrogen Sulfide | 0.01 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesicated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 296 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 3 | FLARE3 | Hydrogen Sulfide | 14.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesicated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 297 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare Stack 26 | FS26 | Hydrogen Sulfide | 0.02 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18294. | already counted | |
| 298 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Flexible Permit 18287 SC 30 | Sulfur Conversion Unit 2 | Drum 702 | SCU2D702 | Hydrogen Sulfide | 6.20 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2T601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M. Also, flexible Permit #18287 SC30 authorized emissions from SCU2D702. | already counted | |
| 299 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Portion of emissions authorized under permit 18287 PSD No TX730M4/PAL | Sulfur Conversion Unit 2 | Tower 601 | SCU2T601 | Hydrogen Sulfide | 14.20 | 15.70 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2T601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M. Also, flexible Permit #18287 SC30 authorized emissions from SCU2D702. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------|----------------------------------|-------------------------------|-----------|------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 300 | 109887 | ETSC 001105 - 001106 | 06/22/2008 10:00 | 06/25/2008 1:00 | 63:00 | 18 lbs of 18 lbs are authorized | Claus Sulfur Recovery Unit | Flexsorb Absorber Vent | SCU2R601 | Hydrogen Sulfide | 18.00 | 15.86 | During a Claus D unit start-up, a sulfur condenser in the unit plugged causing the downstream flexsorb absorber vent to exceed permit limits. Portions of the refinery are authorized by PAL permit number 18287/PSD-TX-730M4. | already counted | |
| 301 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 25 | FS25 | Hydrogen Sulfide | 1.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 302 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 27 | FLARE27 | Hydrogen Sulfide | 12.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 303 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 11 | FLARE11 | Hydrogen Sulfide | 4.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 304 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 14 | FLARE14 | Hydrogen Sulfide | 150.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | F, O-RQ, R-RQ |
| 305 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 15 | FLARE15 | Hydrogen Sulfide | 183.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 306 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 17 | FLARE17 | Hydrogen Sulfide | 9.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 307 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 18 | FLARE18 | Hydrogen Sulfide | 0.50 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 308 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 19 | FLARE19 | Hydrogen Sulfide | 59.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 309 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 20 | FLARE20 | Hydrogen Sulfide | 6.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 310 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 21 | FLARE21 | Hydrogen Sulfide | 1.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 311 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 3 | FLARE3 | Hydrogen Sulfide | 13.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 312 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 4 | FLARE4 | Hydrogen Sulfide | 1.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 313 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 6 | FLARE6 | Hydrogen Sulfide | 0.50 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 314 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 D-702 | SCU2D702 | Hydrogen Sulfide | 14.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 315 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 F-529 | SCU2F529 | Hydrogen Sulfide | 1.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 316 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 T601 | SCU2T601 | Hydrogen Sulfide | 10.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 317 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Not specifically authorized | Baytown Refinery Operating Units | PS7 Tower T-702 Overhead Leak | | Hydrogen Sulfide | 2.00 | 0.00 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 318 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 11 | FLARE11 | Hydrogen Sulfide | 4.00 | 15.86 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 319 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 21 | FLARE21 | Hydrogen Sulfide | 116.00 | 15.86 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 320 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 14 | FLARE14 | Hydrogen Sulfide | 116.00 | 15.86 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 321 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 17 | FLARE17 | Hydrogen Sulfide | 19.00 | 15.86 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 322 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 6 | FLARE6 | Hydrogen Sulfide | 3,361.00 | 15.86 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | 19 | F, O-RQ, R-RQ |
| 323 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 6 lbs of the 7 lbs are authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | Hydrogen Sulfide | 7.00 | 15.86 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 324 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | Hydrogen Sulfide | 1.00 | 15.86 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 325 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 1 lb is authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | Hydrogen Sulfide | 1.00 | 15.86 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 326 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | FV-702 | FV-702 | Hydrogen Sulfide | 2.00 | 15.86 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 327 | 124761 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 16 | FS16 | Hydrogen Sulfide | 0.60 | 6014.44 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 328 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Drums 401/902 | D-401/902 | Hydrogen Sulfide | 372.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 1 | O-RQ, R-RQ |
| 329 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | FV-702 | FV-702 | Hydrogen Sulfide | 10.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 330 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | Hydrogen Sulfide | 1.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 331 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 17 | FLARE17 | Hydrogen Sulfide | 2.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------|----------------|------------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| 2 | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 332 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 20 | FLARE20 | Hydrogen Sulfide | 1.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 333 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | Hydrogen Sulfide | 1.00 | 15.78 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 334 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (FOX) | Flare Stack 25 | FL25 | Hydrogen Sulfide | 1.00 | 15.78 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 335 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 1 lbs of the 372 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (FOX) | Flare Stack 26 | FL26 | Hydrogen Sulfide | 372.00 | 15.78 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 4 | F, O-RQ, R-RQ |
| 336 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare14 | FLARE14 | Hydrogen Sulfide | 1.00 | 15.86 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 337 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically permitted | Hydrocracker Unit 1 | Flare17 | FLARE17 | Hydrogen Sulfide | 4.00 | 15.86 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 338 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare3 | FL3 | Hydrogen Sulfide | 1.00 | 15.86 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 339 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Not specifically authorized | Gas Treating | Hole in Piping | Hole in Piping | Hydrogen Sulfide | 575.50 | 0.00 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | already counted | |
| 340 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 20 | FL20 | Hydrogen Sulfide | 1.03 | 15.78 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 341 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 3 | FL3 | Hydrogen Sulfide | 0.64 | 15.78 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 342 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 4 | FLARE04 | Hydrogen Sulfide | 0.14 | 15.78 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 343 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 5 | FL5 | Hydrogen Sulfide | 0.72 | 15.78 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 344 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 6 | FL6 | Hydrogen Sulfide | 0.32 | 15.78 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 345 | 144899 | ETSC 001327 - 001328 | 09/15/2010 13:59 | 09/15/2010 15:38 | 1:39 | Not specifically authorized | Hydrocracker Unit 1 (HCU1) | HCU1 atmospheric vent | HCU1 D401 D902 | Hydrogen Sulfide | 346.00 | 0.00 | Instrumentation malfunction at reactor R3 caused the depressurization valves to open for approximately six minutes, resulting in an atmospheric release at HCU1 D401 D902 and flaring at FLARE14. Portions of this unit are authorized by Permit #18287/PSD-TX-730. The event has ended. | 1 | O-RQ, R-RQ |
| 346 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 26 | FLARE 26 | Hydrogen Sulfide | 2.05 | 15.78 | Emissions due to loss of flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 347 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Not specifically authorized. | Hydrocracking Unit 1 (HCU1) | HCU1 atmospheric vent | | Hydrogen Sulfide | 1,891.00 | 0.00 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | O-RQ, R-RQ |
| 348 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | 1,102 lbs of total 2,791 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 | FLARE14 | Hydrogen Sulfide | 1.69 | 15.78 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 349 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | Not specifically authorized | Hydrocracking Unit 1 | HCU1 atmospheric vent | | Hydrogen Sulfide | 756.00 | 0.00 | Compressor trip resulted in an atmospheric release at a HCU1 safety vent and safe utilization of the flare system. | 2 | O-RQ, R-RQ |
| 350 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 0.11 lbs of the total 3.08 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 14 | FLARE14 | Hydrogen Sulfide | 2.97 | 15.78 | Compressor trip resulted in an atmospheric release at a HCU1 safety vent and safe utilization of the flare system. | already counted | |
| 351 | | | | | | | | | | | | | TOTAL - HYDROGEN SULFIDE | 121 | 82 |
| 352 | 80443 | ETSC 000864 - 000865 | 8/27/06 12:30 | 8/31/06 23:00 | 106:30 | Not specifically authorized | Lube Extraction Unit 2 | Hole in E3 Evaporator line | | N-Methyl-2-pyrrolidone | 195.00 | 0.00 | Hole in E3 evaporator line leaked to atmosphere. Hole due to solvent NMP in N-Methyl-2-pyrrolidone) corrosion. Portions of the refinery are permitted under Permit #18287. | 5 | H |
| 353 | | | | | | | | | | | | | TOTAL - NMP | 5 | 5 |
| 354 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 25 | F525 | Nitrogen Dioxide | 50.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | F, H |
| 355 | 66438 | ETSC 000736 - 000737 | 10/14/05 2:47 | 10/14/05 20:21 | 17:34 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Bypass | | Nitrogen oxide | 349.00 | 0.00 | FCU3 C Boiler tripped offline at 2:47 and again shortly after start-up at noon. Cause of event currently under investigation. | 1 | H, R-RQ |
| 356 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Bypass Stack | Bypass Stack | Nitrogen oxide | 3.00 | 0.00 | CO Boiler SGG01C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | H |
| 357 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized. 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | CO Boiler Bypass Stack | | Nitrogen oxide | 24.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | 2 | H |
| 358 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Bypass Stack | Bypass Stack | Nitrogen oxide | 11.00 | 0.00 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | H |
| 359 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Wet Gas Scrubber | FCU3WGS | Nitrogen oxide | 1,816.00 | 1775.47 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 360 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Wet Gas Scrubber | FCU3WGS | Nitrogen oxide | 244.00 | 1775.47 | CO Boiler SGG01C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 361 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | DCUF601 | DCUF601 | NOX | 26.00 | 4165.67 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTVGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | 1 | H |
| 362 | 72945 | ETSC 000776 - 000777 | 3/14/06 17:30 | 3/14/06 17:50 | 0:20 | Not specifically authorized | Oil Movements | Tank 801 fire wall | | NOX | 0.17 | 0.00 | Paint cans and wood-based material caught fire inside the firewall of Tank 801. The minor fire only burned painting supplies and was put out minutes later. The ignition source was not determined. | 1 | |
| 363 | 73875 | ETSC 000770 - 000771 | 4/2/06 14:30 | 4/2/06 19:00 | 4:30 | Permit #18287 PSDTX730M3 | Fuels North Gas Treating | Multiple FN Combustion Devices | | NOX | 1,080.60 | 3,424.96 | Loss of MEA circulation on H2S scrubber tower T-854 causing Hydrogen Sulfide in the blend gas to exceed the NSPS 1 limit of 160 ppm over a 3 hour average. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The emission sources are: F-801/802/803/804/410/402/403/404/405/301/926/901/701/2/01/227/702/703. | 1 | H, R-RQ |
| 364 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 15 | Flare15 | NOX | 257.30 | 33.60 | Fire at Electrical Substation #5, servicing the lube plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | 1 | F, H |
| 365 | 75191 | ETSC 000840 - 000841 | 5/1/06 16:20 | 5/1/06 16:50 | 0:30 | Not specifically authorized | Cooling Tower 9 | Pump P-2 | | NOX | 0.01 | 0.00 | Bearing failure in pump P-2 caused the engine to overheat and smoke. No actual flame was present. Portions of Cooling Tower 9 are covered under refinery permit 18287. | 1 | |
| 366 | 83416 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | NOX | 8.00 | 0.00 | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas oil (VOC-PGO). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is CS thru C8. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | H |
| 367 | 84083 | ETSC 001039 - 001041 | 11/20/06 1:00 | 11/20/06 4:00 | 3:00 | Not specifically authorized | Lube Hydrofining Unit 1 | F601 Line | Fire on Line | NOX | 1.40 | 0.00 | A small fire was discovered on a line to F-601 furnace at the Lube Hydrofining Unit 1 (LHU1). The event has ended. Portions of the Lube Hydrofining Unit are covered under permit #18287. | 1 | H |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|---------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|--------------------|-------------|-----------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 368 | 87852 | ETSC 000991 - 000992 | 3/2/07 12:15 | 3/3/07 4:42 | 16:27 | Permit 18287 & PSD-TX-730M3PAL | Low Btu Gas Fired Sources | Low Btu Gas Fired Sources | LBSRC | NOX | 1,130.00 | 1914.29 | Equipment malfunction caused High H2S in the Low Btu Gas (LBSRC) system. Portions of the refinery are authorized under permit 18287 and PSD-TX-730M3/PAL. Emissions were intermittent between 6:43pm 3/2/07 and 11:10am 3/2/07. | 1 | H, R-RQ |
| 369 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare 14 | FLARE14 | NOX | 7.00 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTR Refinery are authorized by Flex/PAL Permit No. 18291 | 1 | F, H |
| 370 | 113088 | ETSC 001126 - 001127 | 08/24/2008 15:30 | 08/24/2008 15:40 | 0:10 | Not specifically authorized | Hydroformer 3 | Reactor Vent | HF3RXVENT | NOX | 0.10 | 0.00 | A reactor was being air freed when material was released resulting in a fire. This event has ended. Portions of the HF3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 1 | |
| 371 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | 9 of the 14 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | NOX | 14.00 | 1775.47 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 1 | F, H |
| 372 | 126586 | ETSC 001224 - 001225 | 07/08/2009 11:00 | 07/08/2009 12:00 | 1:00 | | FCCU2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | NOX | 23.32 | 1775.47 | Loss of oxygen to FCCU2. A portion of emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. Calculations show emissions were below reportable quantity. | 1 | H |
| 373 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flare Stack 26 | FL26 | NOX | 19.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | 1 | F, H |
| 374 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare14 | FLARE14 | NOX | 12.00 | 1914.29 | Shutdown of compressor C-701 caused HCUI to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit #18287/PSD-TX-730-M4. | 1 | F, H |
| 375 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 17 | FLARE17 | NOX | 29.80 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | F, H |
| 376 | 143353 | ETSC 001323 - 001324 | 08/09/2010 17:10 | 08/09/2010 18:31 | 1:21 | 61.4 of the total 61.4 lbs are authorized by Permit #18287/PSD-TX-730 | Fluidized Catalytic Cracking Unit | FCCU-3 Wet Gas Scrubber | FCCU3WGS | NOX | 0.00 | 1747.18 | A coupling on the common discharge header for the Wet Gas Scrubber Recirculation Pumps (P-501's) developed a leak 8/8/2010. The P-501's were shut down to install a temporary clamp. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-9 | 1 | |
| 377 | 144896 | ETSC 001327 - 001328 | 09/15/2010 13:59 | 09/15/2010 15:38 | 1:39 | 0.772 of total 4.08 lbs are authorized under Permit #18287/PSD-TX-730. | Hydrocracking Unit 1 (HCUI) | Flare Stack 14 (FCC) | FLARE14 | NOX | 3.31 | 1747.18 | Instrumentation malfunction at reactor R3 caused the depressurization valves to open for approximately six minutes, resulting in an atmospheric release at HCUI D401 0902 and flaring at FLARE14. Portions of this unit are authorized by Permit #18287/PSD-TX-730. The event has ended. | 1 | F, H |
| 378 | 146940 | ETSC 001341 - 001342 | 11/02/2010 2:00 | 11/02/2010 5:00 | 3:00 | 41 lbs of total 41 lbs are authorized by Flex PAL Permit #18287/PSD-TX-730M-4 | Fluidized Catalytic Cracking Unit 2 (FCCU2) | FCCU2 Wet Gas Scrubber | FCCU2WGS | NOX | 0.00 | 1747.18 | Loss of oxygen to FCCU2 from third party supplier. Portions of emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 1 | |
| 379 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Portions may be authorized under Permit 18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 (HCUI) | Flare Stack 11 | FLARE11 | NOX | 9.75 | 1747.18 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | F, H |
| 380 | 179694 | ETSC 072917 - 072918 | 2/22/13 18:24 | 2/23/13 1:31 | 7:07 | 35 LBS of total 35 LBS are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluid Catalytic Cracking Unit 3 | Cat Regenerator | FCCU3WGS | Nox | 0.00 | 1,747.18 | CO Boiler trip resulted in emissions from the wet gas scrubber at the Fluidized Catalytic Cracking Unit 3 (FCCU3). | 1 | |
| 381 | 182699 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Not specifically authorized | Hydroformer 3 | Flange | | Nox | 1.58 | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | H |
| 382 | 76443 | ETSC 000915 - 000916 | 6/7/06 10:00 | 6/9/06 1:44 | 39:44 | Permit #9163 | Sulfur Conversion Unit | SCU2 F-549 | SCU2 F-549 | NOX | 84.00 | 5.70 | Restart of Claus B following inspection and repair. Natural gas will be routed to the F-549 incinerator during start-up. | 2 | H |
| 383 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | No specific emissions authorized | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | NOX | 57.00 | 0.00 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | H |
| 384 | 120022 | ETSC 001180 - 001181 | 02/13/2009 19:00 | 02/15/2009 16:00 | 45:00 | 1843 lbs of 1843 are authorized by PAL Permit 18287/PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCUWGS | NOX | 1,843.00 | 1775.47 | FCCU2 start up after planned shutdown for planned maintenance. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | H, R-RQ |
| 385 | 123799 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 Bypass Stack | NOX | 15.00 | 0.00 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | H |
| 386 | 124761 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 15 | FS15 | NOX | 407.00 | 1775.47 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | F, H, R-RQ |
| 387 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | NOX | 1,964.00 | 1775.47 | CO Boiler S6501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | H, R-RQ |
| 388 | 132400 | ETSC 001247 - 001248 | 11/25/2009 7:59 | 11/26/2009 21:00 | 37:01 | Not specifically authorized | FCCU3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | NOX | 1,274.00 | 1775.47 | Startup FCCU3 from planned maintenance. Event ended on 11/26/09 at 21:00, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 11/27/09 21:00. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | H, R-RQ |
| 389 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 4.33 lbs of the total 10.25 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 11 | FLARE11 | Nox | 5.92 | 1,747.18 | Compressor trip resulted in an atmospheric release at a HCUI safety vent and safe utilization of the flare system. | 2 | F, H |
| 390 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 25 | FLARE 25 | NOX | 1.50 | 1747.18 | Emissions due to loss of flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 3 | F, H |
| 391 | 124215 | EOMCS 00024373 - 00024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | NOX | 1.00 | 1914.29 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 4 | |
| 392 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 15396 lbs of the 15396 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (FXK) | FN Fired Sources | | NOX | 15,396.00 | 1775.47 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 4 | H, R-RQ |
| 393 | 71454 | ETSC 000784 - 000785 | 2/22/06 13:55 | 2/27/06 0:00 | 106:05 | Not specifically authorized | Flexicoker Unit | GTG301 WHB Bypass Stack | | NOX | 114.00 | 0.00 | Run in test of Flexicoker Unit GTG 301 resulting in turbine emissions being routed through the Waste Heat Boiler bypass stack. | 5 | H |
| 394 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Not specifically authorized | Sulfur Conversion Unit 2 | Furnace 702 | SCU2F702 | NOX | 66.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2T601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M. Also, flexible Permit #18287 SC30 authorized emissions from SCU2F702 | 5 | H |
| 395 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All Blend Gas Fired Sources | | NOX | 180.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 396 | 72315 | ETSC 000780 - 000781 | 2/27/06 9:00 | 3/5/06 7:00 | 142:00 | 18287 | Flexicoker Unit | GTG301 | FXKWHB301 | NOX | 1,239.00 | 3,424.96 | Start-up of the Flexicoker Gas Turbine after a unit turnaround. During start-up exceeded NOx RACT and RMACT II CO Concentration limits of 400 ppm and 500 ppm. Portions of the Flexicoker are permitted under Permit #18287. | 6 | H, R-RQ |
| 397 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Portions of these emissions may be authorized by Permit #18287 | Gas Treating | Flare 20 | FL20 | NOX | 1,164.35 | 1747.18 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | 7 | F, H, R-RQ |
| 398 | 82896 | ETSC 001057 - 001058 | 10/20/06 3:00 | 10/28/06 12:00 | 201:00 | Flexible Permit #18287 | Fuels North | Fuels North Combustion Devices | FNCOMBDV | NOX | 22,714.00 | 3424.96 | The MEA Tower System had a leaking exchanger that resulted in increased levels of H2S in the blend gas system and in Tank S01. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The possible emission sources are: HSK: F901/926/701/801/802/803/804/ 401/402/403/404/405 HDS: F301/201/227/703 FXK: F301/WHB301 Portions of the Refinery are authorized under permit 18287 and PSD-TX-730M3. | 9 | H, R-RQ |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------|---------------------------------------|-----------------------------------------------|--------------|-------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 399 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All BG Fired Units (SEE PERMIT) | | NOX | 314.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CEEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | 19 | H, R-RQ |
| 400 | 109166 | ETSC 001103 - 001104 | 05/15/2008 17:00 | 07/25/2008 14:00 | 1701:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 | NOX | 157.00 | 0.00 | A malfunction of seal tank internals to the FCCU3 bypass stack caused emissions to escape through the stack. Portions of the refinery are authorized by PAL permit number 18287. | 71 | H |
| 401 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | DCUF602 | DCUF602 | NOX | 25.00 | 4165.67 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 402 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | FXK WHB 301 | FXKGTGWHB | NOX | 11.00 | 4165.67 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 403 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Permit #18287 | Flexicoker Unit & Delayed Coker Unit | FXKF301 | FXKF301 | NOX | 11.00 | 4165.67 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 404 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Substation 5 - Transformers T501, T502 & T503 | | NOX | 4.30 | 0.00 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flow from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | already counted | |
| 405 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 16 | Flare16 | NOX | 9.00 | 33.60 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flow from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | already counted | |
| 406 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare Stack 26 | FS26 | NOX | 8.00 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low But Gas normally used in LDU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18295 | already counted | |
| 407 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | Permit 18287 - 2963 lb authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | NOX | 2,963.00 | 1914.29 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | already counted | |
| 408 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | NOX | 2.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 409 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 27 | FLARE27 | NOX | 242.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 410 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 11 | FLARE11 | NOX | 207.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 411 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 14 | FLARE14 | NOX | 513.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 412 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 15 | FLARE15 | NOX | 207.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 413 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 17 | FLARE17 | NOX | 799.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 414 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 18 | FLARE18 | NOX | 25.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 415 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 19 | FLARE19 | NOX | 4.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 416 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 20 | FLARE20 | NOX | 725.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 417 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 21 | FLARE21 | NOX | 50.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 418 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 3 | FLARE3 | NOX | 659.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 419 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 4 | FLARE4 | NOX | 457.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 420 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 5 | FLS | NOX | 3.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 421 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 6 | FLARE6 | NOX | 20.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 422 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 F-529 | SCU2F529 | NOX | 71.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 423 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | NOX | 1,905.00 | 1,914.29 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 424 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Not specifically authorized | Baytown Refinery Operating Units | HF3 MOV32 Flange Flash Fire | | NOX | 1.00 | 0.00 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CEEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 425 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 11 | FLARE11 | NOX | 911.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CEEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 426 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 18 | FLARE18 | NOX | 71.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CEEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|--------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|---------|-------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| 2 | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 427 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 21 | FLARE21 | NOX | 2,092.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 428 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare Stack 26 | FS26 | NOX | 1.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 429 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 14 | FLARE14 | NOX | 2,092.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 430 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 16 | FLARE16 | NOX | 1.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 431 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 17 | FLARE17 | NOX | 1,956.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 432 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 6 | FLARE6 | NOX | 451.00 | 1,914.29 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 433 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Wet Gas Scrubber | FCU3WGS | NOX | 502.00 | 1775.47 | FCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 434 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | NOX | 285.00 | 1914.29 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 435 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | NOX | 3.00 | 1914.29 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 436 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 34 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | NOX | 34.00 | 1914.29 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 437 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | NOX | 3.00 | 1914.29 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 438 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | NOX | 3.00 | 1914.29 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 439 | 124761 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 16 | FS16 | NOX | 56.00 | 1775.47 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Desphalping Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 440 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | NOX | 1.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 441 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | NOX | 2.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 442 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 17 | FLARE17 | NOX | 24.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 443 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 20 | FLARE20 | NOX | 1.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 444 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | NOX | 33.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 445 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | NOX | 1.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 446 | 125751 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | NOX | 19.00 | 1775.47 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 447 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (FOX) | Flare Stack 25 | FL25 | NOX | 1.00 | 1775.47 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 448 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 2255 lbs of the 3432 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (FOX) | Flare Stack 26 | FL26 | NOX | 3,432.00 | 1775.47 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 449 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (FOX) | Flare Stack 27 | FL27 | NOX | 1.00 | 1775.47 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 450 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flexicoker Waste Heat Boiler Bypass Stack | | NOX | 291.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | already counted | |
| 451 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically permitted | Hydrocracker Unit 1 | Flare17 | FLARE17 | NOX | 288.00 | 1914.29 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 452 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare3 | FL3 | NOX | 40.00 | 1914.29 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 453 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare6 | FL6 | NOX | 19.00 | 1914.29 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 454 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 20 | FL20 | NOX | 7.60 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 455 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 29 | FL29 | NOX | 1.58 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 456 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 3 | FL3 | NOX | 83.43 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 457 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 4 | FLARE04 | NOX | 24.81 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------|--------------|-------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 458 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit #18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 5 | FL5 | NOX | 130.43 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 459 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit #18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 6 | FL6 | NOX | 31.49 | 1747.18 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 460 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 26 | FLARE 26 | NOX | 897.47 | 1747.18 | Emissions due to loss of Flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 461 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Portions may be authorized under Permit #18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 | FLARE14 | NOX | 46.50 | 1747.18 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 462 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 4.08 lbs of the total 160.61 lbs are authorized under permit #18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 14 | FLARE14 | NOx | 156.53 | 1,747.18 | Compressor trip resulted in an atmospheric release at a HCUI safety vent and safe utilization of the flare system. | already counted | |
| 463 | | | | | | | | | | | | | SUBTOTAL of NOX | 181 | 172 |
| 464 | 72945 | ETSC 000776 - 000777 | 3/14/06 17:30 | 3/14/06 17:50 | 0:20 | Not specifically authorized | Oil Movements | Tank 801 fire wall | | OPACITY | 100.00% | 0.00 | Paint cans and wood-based material caught fire inside the firewall of Tank 801. The minor fire only burned painting supplies and was put out minutes later. The ignition source was not determined. | 1 | S, H |
| 465 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Substation 5 - Transformers T501, T502 & T503 | | OPACITY | 100.00% | 0.00% | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, POU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | 1 | S, H |
| 466 | 75191 | ETSC 000840 - 000841 | 5/1/06 16:20 | 5/1/06 16:50 | 0:30 | Not specifically authorized | Cooling Tower 9 | Pump P-2 | | OPACITY | 100.00% | 0.00% | Bearing failure in pump P-2 caused the engine to overheat with smoke. No action. Portions of Cooling Tower 9 are covered under refinery permit #18287. | 1 | S, H |
| 467 | 83410 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | OPACITY | 100.00% | 0.00% | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas oil (VOC-PGO). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is CS thru C8s. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | S, H |
| 468 | 84083 | ETSC 001039 - 001041 | 11/20/06 1:00 | 11/20/06 4:00 | 3:00 | Not specifically authorized | Lube Hydrofining Unit 1 | F601 Line | Fire on Line | OPACITY | 100.00% | 0.00% | A small fire was discovered on a line to F-601 Furnace at the Lube Hydrofining Unit 1 (LHU1). The event has ended. Portions of the Lube Hydrofining Unit are covered under permit #18287. | 1 | S, H |
| 469 | 85962 | ETSC 001027 - 001028 | 1/11/07 20:25 | 1/11/07 21:10 | 0:45 | Not specifically authorized | Gofiner | Gofiner Unit 1 Fugitives | GF1FUG | OPACITY | 80.00% | 0.00% | A seal on a unit pump failed which resulted in a release of hot oil vapors to the atmosphere. Portions of refinery unit are covered under Permit #18287/PSD-TX-730-M4. | 1 | S, H |
| 470 | 113088 | ETSC 001126 - 001127 | 08/24/2008 15:30 | 08/24/2008 15:40 | 0:10 | 30 TAC 111 | Hydroformer 3 | Reactor Vent | HF3RXVENT | OPACITY | 95.00% | 30.00% | A reactor was being air fired when material was released resulting in a fire. This event has ended. Portions of the HF3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 1 | S, H |
| 471 | 126110 | ETSC 072689 - 072690 | 06/28/2009 6:00 | 06/28/2009 6:12 | 0:12 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730 | Pipestill 8 | Furnace 801 | PS8F801 | OPACITY | 85.00% | 0.00% | Excess opacity observed from furnace as unit began to start up after shut down. Portions of the refinery are authorized by Permit #18287/PSD-TX-730. | 1 | S, H |
| 472 | 138187 | ETSC 072691 - 072692 | 04/10/2010 16:00 | 04/10/2010 16:30 | 0:30 | 30 TAC 111 | Hydrodesulfurization Unit 1 Furnace F702 (HDU1F702) | HDU-1 | HDU1F702 | Opacity | 60.00% | 0.30 | Furnace F702 experienced low combustion efficiency. Portions of the Furnace F702 emissions are authorized by Permit #18287/PSD-TX-730. Event has ended. | 1 | S, H |
| 473 | 149712 | ETSC 001349 - 001350 | 01/22/2011 6:00 | 01/22/2011 7:20 | 1:20 | Not specifically authorized | Lubes Extraction Unit 2, LXU2 | Furnace B2 | NA | Opacity | 100.00% | 0.00% | Opacity exceedance from Furnace B2 at Lubes Extraction Unit 2 while bringing unit down for pinhole leak. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730M4/PAL7. Event has ended. | 1 | S, H |
| 474 | 159553 | ETSC 068127 - 068128 | 9/22/11 11:28 | 9/22/11 11:43 | 0:15 | Opacity occurred intermittently over a 15 minute duration | Fluid Catalytic Cracking Unit 3 (FCCU3) | Flare 11 | FLARE 11 | Opacity | 100.00% | 0.00 | Opacity occurred at Flares 11 and 14 intermittently for 15 minutes. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | F, S, H |
| 475 | 160029 | ETSC 068129 - 068130 | 10/3/11 14:13 | 10/3/11 14:23 | 0:10 | Portions are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Oil Movements Area 3 | Pump Slab Sample Point | | Opacity | 85.00% | 30.00% | Opacity due to unplanned combustion event at pump slab sample point. Portions of these emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. The event has ended. | 1 | S, H |
| 476 | 167161 | ETSC 068646 - 068647 | 4/12/12 16:30 | 4/12/12 16:38 | 0:08 | Opacity occurred intermittently over an 8 minute duration | | Flare 5 | FL5 | Opacity | 100.00% | 0.00 | Opacity occurred at Flares 6 and 6 intermittently for 8 minutes. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | F, S, H |
| 477 | 167161 | ETSC 068646 - 068647 | 4/12/12 16:30 | 4/12/12 16:38 | 0:08 | Opacity occurred intermittently over an 8 minute duration | | Flare 6 | FL6 | Opacity | 100.00% | 0.00 | Opacity occurred at Flares 6 and 6 intermittently for 8 minutes. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | F, S, H |
| 478 | 180113 | ETSC 072921 - 072922 | 3/6/13 10:57 | 3/6/13 11:12 | 0:15 | Opacity occurred intermittently over a 15 minute duration | Propane Dewaxing Unit | Flare Stack 16 | FLARE16 | Opacity | 100.00% | 0.00% | Opacity occurred at Flare Stack 16 intermittently for 15 minutes due to failure of the steam regulator to automatically open. | 1 | F, S, H |
| 479 | 182695 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Opacity was from 6:30 to 6:45. Not specifically authorized. | Hydroformer 3 | Flange | | Opacity | 100.00% | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | S, H |
| 480 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | 30 TAC 111(a)(C) | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | OPACITY | 50.00% | 15.00% | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | S, H |
| 481 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Fan FD-520 Motor, | | OPACITY | 20.00% | 0.00% | CO Boiler G5501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. These incremental startup emissions are due to Hurricane like-related fouling of SCU2. The fouling resulted in acid gas being temporarily rerouted to flares and incinerators. Emissions from other refinery EPNs are consistent with the two earlier hurricane startup reports (Incident tracking numbers 114161 and 114157). Emissions are included in STEERS 114161 and 114157 STARTUP. Portions of the refinery are permitted under Permit 18287/PSD-TX-730M4. | 2 | S, H |
| 482 | 114755 | ETSC 001164 - 001166 | 09/28/2008 11:00 | 10/04/2008 1:00 | 134:00 | Permit #18287 & PSD-TX-730M4 | Base Sour Water Unit | Flare 6 | FLARE6 | OPACITY | 100.00% | 0.00 | The MEA Tower System had a leaking exchanger that resulted in increased levels of H2S in the blend gas system and in Tank 501. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The possible emission sources are: HSK: F301/326/701/801/802/803/804/401/402/403/404/405 HDS: F301/201/227/703 FKK: F301/NH301 Portions of the Refinery are authorized under permit 18287 and PSD-TX-730M3. | 6 | F, S, H |
| 483 | 82898 | ETSC 001057 - 001058 | 10/20/06 3:00 | 10/28/06 12:00 | 201:00 | Not specifically authorized | Fuels North | Fuels North Combustion Devices | FNCOMBDV | OPACITY | 100.00% | 0.00% | These incremental startup emissions are due to Hurricane like-related fouling of SCU2. The fouling resulted in acid gas being temporarily rerouted to flares and incinerators. Emissions from other refinery EPNs are consistent with the two earlier hurricane startup reports (Incident tracking numbers 114161 and 114157). Emissions are included in STEERS 114161 and 114157 STARTUP. Portions of the refinery are permitted under Permit 18287/PSD-TX-730M4. | 9 | S, H |
| 484 | 114755 | ETSC 001164 - 001166 | 09/28/2008 11:00 | 10/04/2008 1:00 | 134:00 | Permit #18287 & PSD-TX-730M4 | Base Sour Water Unit | Flare 19 | FLARE19 | OPACITY | 100.00% | 0.00 | These incremental startup emissions are due to Hurricane like-related fouling of SCU2. The fouling resulted in acid gas being temporarily rerouted to flares and incinerators. Emissions from other refinery EPNs are consistent with the two earlier hurricane startup reports (Incident tracking numbers 114161 and 114157). Emissions are included in STEERS 114161 and 114157 STARTUP. Portions of the refinery are permitted under Permit 18287/PSD-TX-730M4. | already counted | |
| 485 | 114755 | ETSC 001164 - 001166 | 09/28/2008 11:00 | 10/04/2008 1:00 | 134:00 | Permit #18287 & PSD-TX-730M4 | Base Sour Water Unit | Flare 22 | FLARE22 | OPACITY | 100.00% | 0.00 | These incremental startup emissions are due to Hurricane like-related fouling of SCU2. The fouling resulted in acid gas being temporarily rerouted to flares and incinerators. Emissions from other refinery EPNs are consistent with the two earlier hurricane startup reports (Incident tracking numbers 114161 and 114157). Emissions are included in STEERS 114161 and 114157 STARTUP. Portions of the refinery are permitted under Permit 18287/PSD-TX-730M4. | already counted | |
| 486 | 114755 | ETSC 001164 - 001166 | 09/28/2008 11:00 | 10/04/2008 1:00 | 134:00 | Permit #18287 & PSD-TX-730M4 | Sulfur Conversion Unit 2 | SCU2F529 | SCU2F529 | OPACITY | 100.00% | 0.00 | These incremental startup emissions are due to Hurricane like-related fouling of SCU2. The fouling resulted in acid gas being temporarily rerouted to flares and incinerators. Emissions from other refinery EPNs are consistent with the two earlier hurricane startup reports (Incident tracking numbers 114161 and 114157). Emissions are included in STEERS 114161 and 114157 STARTUP. Portions of the refinery are permitted under Permit 18287/PSD-TX-730M4. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|--------------------|--------------------|-----------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 487 | 114755 | ETSC 001164 - 001166 | 09/28/2008 11:00 | 10/04/2008 1:00 | 134:00 | Permit #18287 & PSD-TX-730M4 | Sulfur Conversion Unit 2 | SCU2F702 | SCU2F702 | OPACITY | 50.00% | 0.00 | These incremental startup emissions are due to Hurricane like-related fouling of SCU2. The fouling resulted in acid gas being temporarily rerouted to flares and incinerators. Emissions from other refinery EPNs are consistent with the two earlier hurricane startup reports (Incident tracking numbers 114161 and 114157). Emissions are included in STEERS 114161 and 114157 STARTUP. Portions of the refinery are permitted under Permit 18287/PSD-TX-730M4. | already counted | |
| 488 | 126110 | ETSC 072689 - 072690 | 06/28/2009 6:00 | 06/28/2009 6:12 | 0:12 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730 | Pipestill 8 | Furnace 802 | PS8F802 | OPACITY | 85.00% | 0.00% | Excess opacity observed from furnace as unit began to start-up after shut down. Portions of the refinery are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 489 | 159553 | ETSC 068127 - 068128 | 9/22/11 11:28 | 9/22/11 11:43 | 0:15 | Opacity occurred intermittently over a 15 minute duration | Fluid Catalytic Cracking Unit 3 (FCCU3) | Flare 14 | FLARE 14 | Opacity | 100.00% | 0.00 | Opacity occurred at Flares 11 and 14 intermittently for 15 minutes. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 490 | | | | | | | | | | | | | SUBTOTAL of OPACITY | 35 | 35 |
| 491 | 66438 | ETSC 000736 - 000737 | 10/14/05 2:47 | 10/14/05 20:21 | 17:34 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Bypass | | Particulate Matter | 1,271.00 | 0.00 | FCCU3 C Boiler tripped offline at 2:47 and again shortly after start-up at noon. Cause of event currently under investigation. | 1 | S, H |
| 492 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Particulate Matter | 9.00 | 0.00 | CO Boiler S5501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | S, H |
| 493 | 126586 | ETSC 001224 - 001225 | 07/08/2009 11:00 | 07/08/2009 12:00 | 1:00 | | FCCU2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | Particulate Matter | 55.00 | 554.40 | Loss of oxygen to FCCU2. A portion of emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. Calculations show emissions were below reportable quantity. | 1 | S, H |
| 494 | 143353 | ETSC 001323 - 001324 | 08/09/2010 17:10 | 08/09/2010 18:31 | 1:21 | 1074.4 lb of the total 1157.2 lbs are authorized by Permit #18287/PSD-TX-730 | Fluidized Catalytic Cracking Unit | FCCU-3 Wet Gas Scrubber | FCCU3WGS | Particulate Matter | 82.80 | 554.40 | A coupling on the common discharge header for the Wet Gas Scrubber Recirculation Pumps (P-501's) developed a leak on 8/8/2010. The P-501's were shut down to install a temporary clamp. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730 | 1 | S, H |
| 495 | 146940 | ETSC 001341 - 001342 | 11/02/2010 2:00 | 11/02/2010 5:00 | 3:00 | 166 lbs of total 166 lbs are authorized by Flex PAL Permit #18287/PSD-TX-730M-4 | Fluidized Catalytic Cracking Unit 2 (FCCU2) | FCCU2 Wet Gas Scrubber | FCCU2WGS | Particulate Matter | 0.00 | 554.40 | Loss of oxygen to FCCU2 from third party supplier. Portions of emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 1 | |
| 496 | 187800 | ETSC 073073 - 073074 | 8/27/13 8:30 | 8/27/13 16:45 | 8:20 | 675 lbs of total 675 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluidized Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Particulate Matter | 0.00 | 570.71 | FCCU3 Selective Catalytic Reduction (SCR) system tripped causing NOx emissions to increase. | 1 | |
| 497 | 83379 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized. 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | CO Boiler Bypass Stack | | Particulate Matter | 44.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flue gas was partially rerouted to the atmosphere. Regenerator flue gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | 2 | S, H |
| 498 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | No specific emissions authorized | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | Particulate Matter | 803.00 | 0.00 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | S, H |
| 499 | 120022 | ETSC 001180 - 001181 | 02/13/2009 19:00 | 02/15/2009 16:00 | 45:00 | 2476 lbs of 2476 are authorized by PAL Permit 18287/PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCUWGS | Particulate Matter | 2,476.00 | 554.40 | FCCU2 start up after planned shutdown for planned maintenance. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | S, H |
| 500 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 Bypass Stack | Particulate Matter | 503.00 | 0.00 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | S, H |
| 501 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Particulate Matter | 2.00 | 0.00 | CO Boiler S5501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | S, H |
| 502 | 132400 | ETSC 001247 - 001248 | 11/25/2009 7:59 | 11/26/2009 21:00 | 37:01 | Not specifically authorized | FCCU3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Particulate Matter | 1,384.00 | 554.40 | Startup FCCU3 from planned maintenance. Event ended on 11/26/09 at 21:00, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 11/27/09 21:00. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | S, H |
| 503 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Not specifically authorized | Sulfur Conversion Unit 2 | Furnace 702 | SCU2F702 | Particulate Matter | 6.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2F601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M4. Also, Flexible Permit #18287 SC30 authorized emissions from SCU2F702. | 5 | S, H |
| 504 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 F-529 | SCU2F529 | Particulate Matter | 1.00 | 571.11 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | |
| 505 | 109166 | ETSC 001103 - 001104 | 05/15/2008 17:00 | 07/25/2008 14:00 | 1701:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 | Particulate Matter | 369.00 | 0.00 | A malfunction of seal tank internals to the FCCU3 bypass stack caused emissions to escape through the stack. Portions of the refinery are authorized by PAL permit number 18287. | 71 | S, H |
| 506 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Particulate Matter | 15.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 507 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Particulate Matter | 83.00 | 554.40 | CO Boiler S5501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 508 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Particulate Matter | 118.00 | 554.40 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 509 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Particulate Matter | 1,087.00 | 554.40 | CO Boiler S5501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 510 | 179694 | ETSC 072917 - 072918 | 2/22/13 18:24 | 2/23/13 1:31 | 7:07 | 393 LBS of total 393 LBS are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluid Catalytic Cracking Unit 3 | Cat Regenerator | FCCU3WGS | PM (unspeciated) | 0.00 | 570.71 | CO Boiler trip resulted in emissions from the wet gas scrubber at the Fluidized Catalytic Cracking Unit 3 (FCCU3). | 1 | |
| 511 | 182695 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Not specifically authorized | Hydroformer 3 | Flange | | PM (unspeciated) | 0.13 | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | |
| 512 | | | | | | | | | | | | | TOTAL - PM | 101 | 92 |
| 513 | 87852 | ETSC 000991 - 000992 | 3/2/07 12:15 | 3/3/07 4:42 | 16:27 | Not specifically authorized | Low Btu Gas Fired Sources | Low Btu Gas Fired Sources | LBSGR | Sulfur | 0.81 | 0.00 | Equipment malfunction caused High H2S in the Low Btu Gas (LBSG) system. Portions of the refinery are authorized under permit 18287 and PSD-TX-730M3/PAL. Emissions were intermittent between 6:43pm 3/1/07 and 11/10am 3/2/07. | 1 | |
| 514 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare Stack 26 | FS26 | Sulfur | 0.30 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18296 | 1 | |
| 515 | 66884 | ETSC 000734 - 000735 | 11/1/05 8:51 | 11/2/05 13:46 | 28:55 | Not specifically authorized | Hydrofining Unit 4 | Flare Stack 26 | FS26 | Sulfur | 21.00 | 0.00 | H#4 furnace maintenance resulting in flaring of Low BTU Gas (LBSG) normally consumed by the furnace. | 2 | |
| 516 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flare Stack 26 | FL26 | Sulfur Compounds | 4.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | 1 | |
| 517 | | | | | | | | | | | | | SUBTOTAL of SULFUR COMPOUNDS | 5 | |
| 518 | 66438 | ETSC 000736 - 000737 | 10/14/05 2:47 | 10/14/05 20:21 | 17:34 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | Wet Gas Scrubber Bypass | | Sulfur Dioxide | 11,441.00 | 0.00 | FCCU3 C Boiler tripped offline at 2:47 and again shortly after start-up at noon. Cause of event currently under investigation. | 1 | O-RQ, R-RQ |
| 519 | 68273 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Not specifically authorized | Flexicoker Unit & Delayed Coker Unit | DCUF601 | DCUF601 | Sulfur Dioxide | 634.00 | 0.00 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit furnace F-301 (FXXF301) & WHB-301 (FXXGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | 1 | O-RQ, R-RQ |
| 520 | 72943 | ETSC 000776 - 000777 | 3/14/06 17:30 | 3/14/06 17:50 | 0:20 | Not specifically authorized | Oil Movements | Tank 801 fire wall | | Sulfur Dioxide | 0.02 | 0.00 | Paint cans and wood-based material caught fire inside the fire wall of Tank 801. The minor fire only burned painting supplies and was put out minutes later. The ignition source was not determined. | 1 | |
| 521 | 73875 | ETSC 000770 - 000771 | 4/2/06 14:30 | 4/2/06 19:00 | 4:30 | Permit #18287 PSDTX730M3 | Fuels North Gas Treating | Multiple FN Combustion Devices | | Sulfur Dioxide | 12,051.00 | 3,629.75 | Loss of MEA circulation on H2S scrubber tower T-854 causing Hydrogen Sulfide in the blend gas to exceed the NSPS 1 limit of 160 ppm over a 3 hour average. Each fuel gas combustion device in the Fuels North area potentially received the hydrogen sulfide containing material. The emission sources are: F-801/802/803/804/410/402/403/404/405/301/926/901/701/2 01/227/702/703. | 1 | O-RQ, R-RQ |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------|--------------------|----------------|-----------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 522 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 15 | Flare15 | Sulfur Dioxide | 351.40 | 39.00 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEX, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | 1 | F |
| 523 | 83416 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | Sulfur Dioxide | 56.00 | 0.00 | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas oil (VOC-PGO). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is CS thru C8s. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | |
| 524 | 84083 | ETSC 001039 - 001041 | 11/20/06 1:00 | 11/20/06 4:00 | 3:00 | Not specifically authorized | Lube Hydrofining Unit 1 | F601 Line | Fire on Line | Sulfur Dioxide | 87.00 | 0.00 | A small fire was discovered on a line to F-601 furnace at the Lube Hydrofining Unit 1 (LHU1). The event has ended. Portions of the Lube Hydrofining Unit are covered under permit #18287. | 1 | |
| 525 | 87852 | ETSC 000991 - 000992 | 3/2/07 12:15 | 3/3/07 4:42 | 16:27 | Emission limit: 160 ppm H2S 3-hour average (NPSJ) | Low Btu Gas Fired Sources | Low Btu Gas Fired Sources | LBGSR | Sulfur Dioxide | 11,294.00 | 0.00 | Equipment malfunction caused High H2S in the Low Btu Gas (LBG) system. Portions of the refinery are authorized under permit 18287 and PSD-TX 730M3/PAL. Emissions were intermittent between 6:43pm 3/1/07 and 11/10am 3/2/07. | | O-RQ, R-RQ |
| 526 | 96515 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare 14 | FLARE14 | Sulfur Dioxide | 6.60 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18292. | 1 | F |
| 527 | 113088 | ETSC 001126 - 001127 | 08/24/2008 15:30 | 08/24/2008 15:40 | 0:10 | Not specifically authorized | Hydroformer 3 | Reactor Vent | HF3RXVENT | Sulfur Dioxide | 0.10 | 0.00 | A reactor was being air fired when material was released resulting in a fire. This event has ended. Portions of the HF3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 1 | |
| 528 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Bypass Stack | Bypass Stack | Sulfur Dioxide | 171.00 | 0.00 | CO Boiler S501C tripped offline. Portions of the FCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | |
| 529 | 125753 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | Sulfur Dioxide | 28.00 | 3242.67 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 1 | F |
| 530 | 126586 | ETSC 001224 - 001225 | 07/08/2009 11:00 | 07/08/2009 12:00 | 1:00 | | FCCU2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | Sulfur Dioxide | 17.72 | 3242.67 | Loss of oxygen to FCCU2. A portion of emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. Calculations show emissions were below reportable quantity. | 1 | |
| 531 | 128824 | ETSC 001237 - 001238; EOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flare Stack 26 | FL26 | Sulfur Dioxide | 2.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | 1 | F |
| 532 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare14 | FLARE14 | Sulfur Dioxide | 85.00 | 3317.49 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | 1 | F |
| 533 | 133051 | ETSC 001249 - 001250 | 12/09/2009 7:45 | 12/09/2009 14:00 | 6:15 | Not specifically authorized | Oil Movements Area 3 | Tank 667 | Tk667 | Sulfur Dioxide | 397.00 | 0.00 | Liquid sulfur product in tank ignited. Duration of excess opacity event was 15 minutes. Portions of the unit are authorized by Permit #18287/PSD-TX-730. | 1 | |
| 534 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 17 | FLARE17 | Sulfur Dioxide | 471.00 | 3242.67 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | F |
| 535 | 143353 | ETSC 001323 - 001324 | 08/09/2010 17:10 | 08/09/2010 18:31 | 1:21 | 107.7 lbs of the total 1501.1 lbs. are authorized by Permit #18287/PSD-TX-730 | Fluidized Catalytic Cracking Unit | FCCU-3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 1,393.40 | 3242.67 | A coupling on the common discharge header for the Wet Gas Scrubber Recirculation Pumps (P-501's) developed a leak on 8/8/2010. The P-501's were shut down to install a temporary clamp. Portions of the unit emissions are authorized by Permit #18287-PSD-TX11. | 1 | O-RQ, R-RQ |
| 536 | 144890 | ETSC 001327 - 001328 | 09/15/2010 13:59 | 09/15/2010 15:38 | 1:39 | 1,445 of total 56,223 lbs are authorized under Permit #18287/PSD-TX-730. | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 (FECC) | FLARE14 | Sulfur Dioxide | 54.79 | 3242.67 | Instrumentation malfunction at reactor R3 caused the depressurization valves to open for approximately six minutes, resulting in an atmospheric release at HCU1 D401 D902 and flaring at FLARE14. Portions of this unit are authorized by Permit #18287/PSD-TX-730. The event has ended. | 1 | F |
| 537 | 146177 | ETSC 001329 - 001330 | 10/15/2010 22:00 | 10/16/2010 0:00 | 2:00 | 6485 pounds of total 8737 pounds are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Gofiner1 (GF1) | Flare Stack 20 | FL20 | Sulfur Dioxide | 2,252.00 | 3242.67 | Flaring emissions due to GF1 start up activities. Portions of the unit emissions may be authorized under Permit #18287/PSD-TX-730M4/PAL7. This event has ended. | 1 | F, O-RQ, R-RQ |
| 538 | 146940 | ETSC 001341 - 001342 | 11/02/2010 2:00 | 11/02/2010 5:00 | 3:00 | 10 lbs of total 10 lbs are authorized by Flex PAL Permit #18287/PSD-TX-730M4 | Fluidized Catalytic Cracking Unit 2 (FCCU2) | FCCU2 Wet Gas Scrubber | FCCU2WGS | Sulfur Dioxide | 0.00 | 3242.67 | Loss of oxygen to FCCU2 from third party supplier. Portions of emissions may be authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 1 | |
| 539 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | 101,486 lbs of total 257,104 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 | FLARE14 | Sulfur dioxide | 155.62 | 3242.67 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | F |
| 540 | 179694 | ETSC 072917 - 072918 | 2/22/13 18:24 | 2/23/13 1:31 | 7:07 | 89 LBS of total 89 LBS are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Fluid Catalytic Cracking Unit 3 | Cat Regenerator | FCCU3WGS | Sulfur dioxide | 0.00 | 3,242.67 | CO Boiler trip resulted in emissions from the wet gas scrubber at the Fluidized Catalytic Cracking Unit 3 (FCCU3). | 1 | |
| 541 | 182695 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Not specifically authorized | Hydroformer 3 | Flange | | Sulfur dioxide | 0.01 | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | |
| 542 | 187800 | ETSC 073073 - 073074 | 8/27/13 8:30 | 8/27/13 16:45 | 8:20 | 312 lbs of total 312 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7. | Fluidized Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur dioxide | 0.00 | 3242.67 | FCCU3 Selective Catalytic Reduction (SCR) system tripped causing NOx emissions to increase. | 1 | |
| 543 | 66872 | ETSC 000732 - 000733 | 11/5/05 0:06 | 11/6/05 4:16 | 28:10 | Not specifically authorized | Booster Station 4 | Flare 27 | FLARE27 | Sulfur Dioxide | 44,626.00 | 0.00 | Replaced 250 foot section of jet vent gas line. The refinery flares are permitted under Permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, O-RQ, R-RQ |
| 544 | 66884 | ETSC 000734 - 000735 | 11/1/05 8:51 | 11/2/05 13:46 | 28:55 | Not specifically authorized | Hydrofining Unit 4 | Flare Stack 26 | FS26 | Sulfur Dioxide | 1,089.00 | 0.00 | HF4 furnace maintenance resulting in flaring of Low Btu Gas (LBG) normally consumed by the furnace. | 2 | F, O-RQ, R-RQ |
| 545 | 67926 | ETSC 000730 - 000731 | 11/13/05 5:24 | 11/14/05 11:29 | 30:05 | Not specifically authorized | Flexicoker Unit | Flare Stack 25 | FS25 | Sulfur Dioxide | 21,529.00 | 0.00 | Pump P-329A tripped at Flexicoker resulting in flaring. Portions of the Flexicoker are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, O-RQ, R-RQ |
| 546 | 70283 | ETSC 000806 - 000807 | 1/10/06 8:00 | 1/11/06 18:00 | 34:00 | Not specifically authorized | Flexicoker Unit | FXK GTG/WHB301 | FXKGTGWHB | Sulfur Dioxide | 99.00 | 0.00 | During the shutdown of the unit, GTG/WHB-301 exceeded it's NOX RACT 24-hour rolling average limit of 400 ppm CO. GTG/WHB-301 is permitted under Permit #18287. | 2 | |
| 547 | 76448 | ETSC 000915 - 000916 | 6/7/06 10:00 | 6/9/06 1:44 | 39:44 | Permit #9163 | Sulfur Conversion Unit | SCU2 F-549 | SCU2 F-549 | Sulfur Dioxide | 3,818.00 | 0.73 | Restart of Claus 9 following inspection and repair. Natural gas will be routed to the F-549 incinerator during start-up. | 2 | O-RQ, R-RQ |
| 548 | 83377 | ETSC 001053 - 001054 | 11/1/06 14:24 | 11/2/06 16:00 | 25:36 | Not specifically authorized. 500 ppm limit per 40 CFR 63.1565 (c)(1) and 400 ppm limit per 30 TAC 117.206(e)(1) | Fluid Catalytic Cracking Unit 3 | CO Boiler Bypass Stack | | Sulfur Dioxide | 685.00 | 0.00 | Boiler SG-501A boiler tripped offline and regenerator flare gas was partially rerouted to the atmosphere. Regenerator flare gas from SG-501A also continued to be partially treated in the Wet Gas Scrubber. The boiler was promptly returned to service. The event has ended. The unit has returned to normal operations. | 2 | O-RQ, R-RQ |
| 549 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | No specific emissions authorized | Fluid Catalytic Cracking Unit 3 | Bypass Stack | Bypass Stack | Sulfur Dioxide | 17,144.00 | 0.00 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 2 | O-RQ, R-RQ |
| 550 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCU3 Bypass Stack | Bypass Stack | Sulfur Dioxide | 584.00 | 0.00 | Boilers B and C tripped offline while A Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | O-RQ, R-RQ |
| 551 | 120022 | ETSC 001180 - 001181 | 02/13/2009 19:00 | 02/15/2009 16:00 | 45:00 | 253 lbs of 253 are authorized by PAL Permit 18287/PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCUWGS | Sulfur Dioxide | 253.00 | 3242.67 | FCCU2 start up after planned shutdown for planned maintenance. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | |
| 552 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 Bypass Stack | Sulfur Dioxide | 3,978.00 | 0.00 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | O-RQ, R-RQ |
| 553 | 124762 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 15 | FS15 | Sulfur Dioxide | 402.00 | 3242.67 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | F |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|----------------------------------------------------------------------------|---------------------------------------|---------------------------------------|--------------|----------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 554 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Sulfur Dioxide | 36.00 | 0.00 | CO Boiler S6501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for Carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of this unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | |
| 555 | 132400 | ETSC 001247 - 001248 | 11/25/2009 7:59 | 11/26/2009 21:00 | 37:01 | Not specifically authorized | FCCU3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 1,842.00 | 3242.67 | Startup FCCU3 from planned maintenance. Event ended on 11/26/09 at 21:00, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 11/27/09 21:00. Portions of this unit are authorized by Flex PAL Permit #18287/PSD-TX-730M-4. | 2 | O-RQ, R-RQ |
| 556 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | Portions may be authorized under Permit #18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 | Flare Stack 11 | FLARE11 | Sulfur dioxide | 0.90 | 3,242.67 | Compressor trip resulted in an atmospheric release at a HCUI safety vent and safe utilization of the flare system. | already counted | |
| 557 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 25 | FLARE 25 | Sulfur dioxide | 18.64 | 3242.67 | Emissions due to loss of flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 3 | F |
| 558 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 4 | FLARE4 | Sulfur Dioxide | 8.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 4 | F |
| 559 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | Sulfur Dioxide | 1.00 | 3317.49 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 560 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 8211.2 lbs of the 4784 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (F0X) | FN Fired Sources | | Sulfur Dioxide | 4,784.00 | 3242.67 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 4 | O-RQ, R-RQ |
| 561 | 102061 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Not specifically authorized | Sulfur Conversion Unit 2 | Furnace 702 | SCU2F702 | Sulfur Dioxide | 139.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU2I601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M. Also, flexible Permit #18287 SC30 authorized emissions from SCU2I702. | 5 | |
| 562 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All Blend Gas Fired Sources | | Sulfur Dioxide | 90.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 563 | 72315 | ETSC 000780 - 000781 | 2/27/06 9:00 | 3/5/06 7:00 | 142:00 | 18287 | Flexicoker Unit | GTG301 | FXKWHB301 | Sulfur Dioxide | 110.00 | 3,629.75 | Start-up of the Flexicoker Gas Turbine after a unit turnaround. During start-up exceeded NOx RACT and RMACT II CO Concentration limits of 400 ppm and 500 ppm. Portions of the Flexicoker are permitted under Permit #18287. | 6 | |
| 564 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Portions of these emissions may be authorized by Permit #18287 | Gas Treating | Flare 20 | FL20 | Sulfur Dioxide | 61,249.45 | 3242.67 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | 7 | F, O-RQ, R-RQ |
| 565 | 82896 | ETSC 001057 - 001058 | 10/20/06 3:00 | 10/28/06 12:00 | 201:00 | Not specifically authorized | Fuels North | Fuels North Combustion Devices | FNCOMBDV | Sulfur Dioxide | 19,972.00 | 0.00 | The MEA Tower System had a leaking exchanger that resulted in increased levels of H2S in the blend gas system also in Tank 501. Each fuel gas combustion device in the Fuels North are potentially received the hydrogen sulfide containing material. The possible emission sources are: HSK: F901/926/701/801/802/803/804/ 401/402/403/404/405 HDS: F301/201/227/703 FXK: F301/WHB301 Portions of the Refinery are authorized under permit 18287 and PSD-TX-730M4. | 9 | O-RQ, R-RQ |
| 566 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All BG Fired Fired Units (SEE PERMIT) | | Sulfur Dioxide | 145.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CEEDS requirements. The STEERS contact (Jim Drazd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 567 | 109166 | ETSC 001103 - 001104 | 05/15/2008 17:00 | 07/25/2008 14:00 | 1701:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | FCCU3 | Sulfur Dioxide | 2,631.00 | 0.00 | A malfunction of seal tank internals to the FCCU3 bypass stack caused emissions to escape through the stack. Portions of the refinery are authorized by PAL permit number 18287. | 71 | O-RQ, R-RQ |
| 568 | 68277 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Not specifically authorized | Flexicoker Unit & Delayed Coker Unit | DCUF602 | DCUF602 | Sulfur Dioxide | 616.00 | 0.00 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 569 | 68277 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Not specifically authorized | Flexicoker Unit & Delayed Coker Unit | FXK WHB 301 | FXKGTGWHB | Sulfur Dioxide | 290.00 | 0.00 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 570 | 68277 | ETSC 000728 - 000729 | 11/21/05 5:57 | 11/21/05 7:43 | 1:46 | Not specifically authorized | Flexicoker Unit & Delayed Coker Unit | FXKF301 | FXKF301 | Sulfur Dioxide | 272.00 | 0.00 | During start-up of Hydrofining Unit 9, exceeded 3 hour 160 ppm limit of H2S in fuel gas. This fuel gas is used at the Flexicoker Unit Furnace F-301 (FXKF301) & WHB-301 (FXKGTGWHB) and at the Delayed Coker Unit F-601 & F-602. These sources are listed in permit #18287. | already counted | |
| 571 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 5 | FLARE5 | Sulfur Dioxide | 1.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 572 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 3 | FLARE3 | Sulfur Dioxide | 1,312.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 573 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 16 | Flare16 | Sulfur Dioxide | 1.00 | 39.00 | Fire at Electrical Substation #5, servicing the lube plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | already counted | |
| 574 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare Stack 26 | FS26 | Sulfur Dioxide | 17.00 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low Btu Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18287. | already counted | |
| 575 | 106703 | ETSC 001091 - 001092 | 04/22/2008 11:02 | 04/23/2008 16:21 | 29:19 | Permit 18287 - 126 lb authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 126.00 | 3317.49 | Boilers A/B/C tripped off-line. Portions of the FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | already counted | |
| 576 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 25 | FS25 | Sulfur Dioxide | 27.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 577 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Bypass Stack | Bypass Stack | Sulfur Dioxide | 21.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 578 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 27 | FLARE27 | Sulfur Dioxide | 1,057.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 579 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 11 | FLARE11 | Sulfur Dioxide | 336.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 580 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 14 | FLARE14 | Sulfur Dioxide | 1,387.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | F, O-RQ, R-RQ |
| 581 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 15 | FLARE15 | Sulfur Dioxide | 336.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 582 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 17 | FLARE17 | Sulfur Dioxide | 809.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 583 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 18 | FLARE18 | Sulfur Dioxide | 5.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 584 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 19 | FLARE19 | Sulfur Dioxide | 5,402.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-------------------------------------------------------------------------|----------------------------------|------------------------|----------|----------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| 2 | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 585 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 20 | FLARE20 | Sulfur Dioxide | 525.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 586 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 21 | FLARE21 | Sulfur Dioxide | 27.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 587 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 3 | FLARE3 | Sulfur Dioxide | 974.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 588 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 4 | FLARE4 | Sulfur Dioxide | 139.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 589 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 6 | FLARE6 | Sulfur Dioxide | 7.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 590 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 F-529 | SCU2F529 | Sulfur Dioxide | 22.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 591 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Fluid Catalytic Cracking Unit 2 | FCCU2 Wet Gas Scrubber | FCCU2WGS | Sulfur Dioxide | 2,770.00 | 3,317.49 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 592 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 11 | FLARE11 | Sulfur Dioxide | 360.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 593 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 18 | FLARE18 | Sulfur Dioxide | 9.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 594 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 21 | FLARE21 | Sulfur Dioxide | 46.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 595 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 14 | FLARE14 | Sulfur Dioxide | 10,867.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 596 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 16 | FLARE16 | Sulfur Dioxide | 331.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 597 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 17 | FLARE17 | Sulfur Dioxide | 1,820.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 598 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 6 | FLARE6 | Sulfur Dioxide | 310,369.00 | 3,317.49 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | 19 | F, O-RQ, R-RQ |
| 599 | 118545 | ETSC 001173 - 001174 | 01/07/2009 4:16 | 01/08/2009 14:16 | 34:00 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 83.00 | 3242.67 | Boilers B and C tripped offline while a Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 600 | 121025 | ETSC 001184 - 001185 | 03/06/2009 17:48 | 03/06/2009 20:31 | 2:43 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 15.00 | 3242.67 | CO Boiler S6501C tripped offline. Portions of the FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 601 | 123795 | ETSC 001197 - 001198 | 05/04/2009 8:41 | 05/05/2009 17:05 | 32:24 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 18.00 | 3242.67 | FCCU3 CO Boiler A tripped offline while B Boiler was down for maintenance. Portions of FCCU3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 602 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 89 lbs of the 573 lbs are authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | Sulfur Dioxide | 573.00 | 3317.49 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 4 | F, O-RQ, R-RQ |
| 603 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | Sulfur Dioxide | 33.00 | 3317.49 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 604 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 11 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | Sulfur Dioxide | 11.00 | 3317.49 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 605 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | Sulfur Dioxide | 1.00 | 3317.49 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 606 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | Sulfur Dioxide | 1.00 | 3317.49 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 607 | 124761 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 16 | FS16 | Sulfur Dioxide | 55.00 | 3242.67 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Dewaxing Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 608 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | Sulfur Dioxide | 3.00 | 3242.67 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 609 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 17 | FLARE17 | Sulfur Dioxide | 164.00 | 3242.67 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 610 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 20 | FLARE20 | Sulfur Dioxide | 3.00 | 3242.67 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 611 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | Sulfur Dioxide | 69.00 | 3242.67 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 612 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | Sulfur Dioxide | 69.00 | 3242.67 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 613 | 125838 | ETSC 001210 - 001211 | 06/21/2009 9:24 | 06/22/2009 18:40 | 33:16 | Not specifically authorized | Fluid Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | Sulfur Dioxide | 67.00 | 3242.67 | CO Boiler S6501A tripped offline. Hourly emissions returned to normal by 6/22/09 18:40, but the 24-hr rolling average for carbon monoxide stayed above the 400 ppm limit set in 30 TAC Chapter 117 until 6/22/09 21:00. Portions of FCCU3 are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 614 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (FOX) | Flare Stack 25 | FL25 | Sulfur Dioxide | 1.00 | 3242.67 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|----------------------------------------------------------------------------------|-------------------------------------|-----------------------------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 615 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 122 lbs of the 51948 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (F00) | Flare Stack 26 | FL26 | Sulfur Dioxide | 51,948.00 | 3242.67 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 616 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (F00) | Flare Stack 27 | FL27 | Sulfur Dioxide | 1.00 | 3242.67 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 617 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically permitted | Hydrocracker Unit 1 | Flare17 | FLARE17 | Sulfur Dioxide | 321.00 | 3317.49 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 618 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare3 | FL3 | Sulfur Dioxide | 46.00 | 3317.49 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 619 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare6 | FL6 | Sulfur Dioxide | 4.00 | 3317.49 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 620 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 20 | FL20 | Sulfur Dioxide | 94.39 | 3242.67 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 621 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 3 | FL3 | Sulfur Dioxide | 58.53 | 3242.67 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 622 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 4 | FLARE04 | Sulfur Dioxide | 13.15 | 3242.67 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 623 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 5 | FL5 | Sulfur Dioxide | 65.81 | 3242.67 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 624 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 6 | FL6 | Sulfur Dioxide | 28.99 | 3242.67 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 625 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730 | Flexicoker | Flare Stack 26 | FLARE 26 | Sulfur dioxide | 5,549.52 | 3242.67 | Emissions due to loss of flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 626 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 9.86 lbs of the total 283.51 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 14 | FLARE14 | Sulfur dioxide | 273.65 | 3,242.67 | Compressor trip resulted in an atmospheric release at a HCU1 safety vent and safe utilization of the flare system. | 2 | F |
| 627 | | | | | | | | | | | | | TOTAL - SULFUR DIOXIDE | 190 | 162 |
| 628 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | All Blend Gas Fired Sources | | Sulfuric acid | 1.00 | 15.86 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18277/PSD-TX-730-M4. | 5 | |
| 629 | | | | | | | | | | | | | TOTAL - SULFURIC ACID | 5 | |
| 630 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 17 | FLARE 17 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 1.42 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 1 | F, H |
| 631 | 70364 | ETSC 000796 - 000797 | 1/12/06 21:10 | 1/13/06 13:11 | 16:01 | TCEQ Permit #18287 NOx limit of 93 ppmv | ExxonMobil Baytown Refinery | GTG45/WHB75 | BH7WHB75 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 2,280.00 | 0.00 | Facility steam constraints resulted in exceedance of NOx 93 ppmv limit from the coupled GTG45/WHB75 stack. GTG45/WHB75 are permitted under permit #18287. | 1 | H, R-RQ |
| 632 | 66872 | ETSC 000732 - 000733 | 11/5/05 0:06 | 11/6/05 4:16 | 28:10 | Not specifically authorized | Booster Station 4 | Flare 27 | FLARE27 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 712.00 | 0.00 | Replaced 250 foot section of jet vent gas line. The refinery flares are permitted under Permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, H, R-RQ |
| 633 | 66884 | ETSC 000734 - 000735 | 11/1/05 8:51 | 11/2/05 13:46 | 28:55 | Not specifically authorized | Hydrofining Unit 4 | Flare Stack 26 | FS26 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 428.00 | 0.00 | HF4 furnace maintenance resulting in flaring of Low BTU Gas (LBG) normally consumed by the furnace. | 2 | F, H, R-RQ |
| 634 | 67926 | ETSC 000730 - 000731 | 11/13/05 5:24 | 11/14/05 11:29 | 30:05 | Not specifically authorized | Flexicoker Unit | Flare Stack 25 | FS25 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 5,704.00 | 0.00 | Pump P-329A tripped at Flexicoker resulting in flaring. Portions of the Flexicoker are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, H, R-RQ |
| 635 | 70283 | ETSC 000806 - 000807 | 1/10/06 8:00 | 1/11/06 18:00 | 34:00 | Not specifically authorized | Flexicoker Unit | FXK GTG/WHB301 | FXKGTGWHB | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 483.00 | 0.00 | During the shutdown of the unit, GTG/WHB-301 exceeded it's NOX RACT 24-hour rolling average limit of 400 ppm CO. GTG45/WHB75 are permitted under Permit #18287. | 2 | H, R-RQ |
| 636 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 4 | FLARE4 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 11.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 4 | F, H |
| 637 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 5 | FLARE5 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 2.20 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 638 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 3 | FLARE3 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 1,841.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 639 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 18 | FLARE 18 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 1.42 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 640 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 20 | FLARE 20 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 1.42 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 641 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 21 | FLARE 21 | TOTAL NOX: Nitrogen Dioxide, Nitrogen Monoxide | 0.00 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 642 | 187800 | ETSC 073073 - 073074 | 8/27/13 8:30 | 8/27/13 16:45 | 8:20 | 681 lbs of total 1,962 bs are authorized under Permit #18287/PSD-TX-730M4/PAL7. | Fluidized Catalytic Cracking Unit 3 | FCCU3 Wet Gas Scrubber | FCCU3WGS | TOTAL NOX: Nitrogen dioxide, Nitrogen Oxide | 1,281.00 | 1747.18 | FCCU3 Selective Catalytic Reduction (SCR) system tripped causing NOx emissions to increase. | 1 | H, R-RQ |
| 643 | | | | | | | | | | | | | SUBTOTAL OF NOX | 15 | 15 |
| 644 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (F00) | Flare Stack 25 | FS25 | Total Sulfur | 1.00 | 15.78 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 645 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | 228 lbs of the 343 lbs are authorized by Permit # 18287 & PSD-TX-730M4 | Flexicoker (F00) | Flare Stack 26 | FL26 | Total Sulfur | 343.00 | 0.00 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 4 | F |
| 646 | | | | | | | | | | | | | SUBTOTAL OF SULFUR COMPOUNDS | 4 | 4 |
| 647 | 72315 | ETSC 000780 - 000781 | 2/27/06 9:00 | 3/5/06 7:00 | 142:00 | 18287 | Flexicoker Unit | GTG301 | FXKWHB301 | TOTAL VOC | 38.00 | 6,027.79 | Start-up of the Flexicoker Gas Turbine after a unit turnaround. During start-up exceeded NOx RACT and RMACT II CO Concentration limits of 400 ppm and 500 ppm. Portions of the Flexicoker are permitted under Permit #18287. | 6 | H |
| 648 | 144239 | ETSC 001325 - 001326 | 08/30/2010 16:02 | 08/30/2010 16:39 | 0:37 | Not specifically authorized | West Loop Flare System | Flare Stack 4 | FLARE04 | TOTAL VOC: Butane N-, Heptanes, Hexanes, Isobutane, Isopentane, Other, Pentane, Propane, Propene, Toluene, Butenes | 463.70 | 6010.61 | Loss of flame on flare pilots. The event has ended. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | F, H |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|---------------------------------------------------------|-------------------------------------------|---------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 649 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 29 | FL29 | TOTAL VOC: 1-Butene + Isobutylene, Butane N-, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), Trans-2-Butene, VOC (unspecified) | 1.84 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 650 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 3 | FL3 | TOTAL VOC: 1-Butene + Isobutylene, Butane N-, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), Trans-2-Butene, VOC (unspecified) | 389.19 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 651 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 4 | FLARE04 | TOTAL VOC: 1-Butene + Isobutylene, Butane N-, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), Trans-2-Butene, VOC (unspecified) | 162.95 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 652 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 5 | FL5 | TOTAL VOC: 1-Butene + Isobutylene, Butane N-, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), Trans-2-Butene, VOC (unspecified) | 786.54 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 653 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 6 | FL6 | TOTAL VOC: 1-Butene + Isobutylene, Butane N-, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), Trans-2-Butene, VOC (unspecified) | 159.93 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 654 | 154039 | ETSC 072695 - 072698 | 05/02/2011 6:30 | 05/02/2011 10:30 | 4:00 | | Oil Movements | Oil Movements Area, Spill | | TOTAL VOC: 1,2-Dimethylhydrazine, 1,3-Butadiene, 1-Butene, 2,3-Dimethylpentane, 2-Methyl-1-butene, 2-Methyl-2-Butene, 2-Methylhexane, 2-Methylpentene-1, 3-Methyl-1-butene, 3-methylhexane, Butane, Cispentene, Cyclohexane, Cyclopentane, Heptane (or n-), Heptanes, Hexane, Hexenes, Isobutane, Isobutylene, Methycyclohexane, Methylcyclopentane, Octanes, Other, Pentadiene, Pentane, Pentene, Propane, Propylene, Toluene, Trans-2-butene, Trans-Pentene, VOC (unspecified), Xylene m- | 2,865.30 | 0.00 | Air emissions are from evaporation of frac tank slop oil spill. Portions of the unit emissions are authorized by Flex PAL Permit #18287/PSD-TX-730M4/PAL7. This event has ended. | 1 | H, R-RQ |
| 655 | 149213 | ETSC 001346 - 001348 | 01/06/2011 20:25 | 01/07/2011 2:25 | 6:00 | Not specifically authorized | Naphtha Hydrofiner (NHF), Exchanger 702 D | Pinhole Leak | NA | TOTAL VOC: 1,2,4-Trimethylbenzene; 1-Butene; 1-methyl-2-ethylbenzene; 1-methyl-3-ethylbenzene; 1-methyl-4-ethylbenzene; 1c,2t,3-trimethylcyclopentane; 1c,2t,4c-trimethylcyclohexane; 1c,3-dimethylcyclopentane; 1c,3c,5-trimethylcyclohexane; 1t,2-dimethylcyclopentane; 2,3-Dimethylpentane; 2-Methylhexane; 3-methylhexane; 4-ethylheptane; 4-methylcyclopentane; Butane-N; Butane-i; Cis-2-Butene; Cyclohexane; Cyclopentane; Ethylbenzene; Ethylcyclopentane; Hexanes; Isopentane; Methylcyclohexane; Methylcyclopentane; Octanes; Orthoxylene; Other; Pentane, N-; Pentenes; Propane; Toluene; VOCs; Decanes; metaxylene; n-Heptane; n-nonane; n-propylcyclopentane; paraxylene; t-2-butene | 2,415.00 | 0.00 | Leak occurred at the thermowell on an exchanger. Portions of the unit emissions are authorized by Permit #18287. This event has ended. | 1 | H, R-RQ, O-RQ |
| 656 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 6 | FLARE6 | TOTAL VOC: 1,3-BUTADIENE, Butane i, Butane N-, Butane, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 4,520.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 657 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 14 | FLARE14 | TOTAL VOC: 1,3-BUTADIENE, Butane i, Butane N-, Butane, Ethylene (gasoue), Propane, Propylene (Propene), VOC | 7,349.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 658 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 3 | FLARE3 | TOTAL VOC: 1,3-BUTADIENE, Butane, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 5,040.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 659 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | Hydroformer 4 | OH0452 | | TOTAL VOC: 2-methylpentane, 2-Methylhexane, Butane N-, Heptane (or n-), Isobutane, Isopentane, Methylcyclohexane, Pentane, Propane, dimethyl cyclopentane, VOC | 1,241.73 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspecified C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 1 | H |
| 660 | 103838 | ETSC 001076 - 001078 | 02/16/2008 8:30 | 02/20/2008 12:00 | 99:30 | 3,977.9 of 8,203.9 lbs authorized by Permit 18287 | Oil Movements | Tank 1095 roof | TK1095 | TOTAL VOC: Benzene, Ethylbenzene, Orthoxylene, paraxylene, Propane, Toluene, VOC | 8,161.40 | 6014.44 | Leaking stormwater roof drain resulted in crude oil on tank roof. Secondary mist released at ground level sewer and vapor released from tank roof. Portions of Oil Movements, including the tank, authorized in Permit 18287. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------|----------------------------------------|-------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 661 | 96515 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | D-500 ATM Vent | | TOTAL VOC: Butadiene, 2-Methylpentane, 3-Methyl-1-Butene, Butane, Butene, Cis-2-Butene, Cyclopentane, Hexane, Isobutane, Isopentane, Pentadienes, Pentane, Pentene, Propane, Propylene (Propene), Trans-2-Butene, VOC | 4,219.80 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 atmospheric vent. HU9 diversion resulted in flaring of Low But Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18287. | 1 | H, R-RQ |
| 662 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 15 | FLARE15 | TOTAL VOC: Butane I, Butane N, Butene, Ethylene (gaseous), Propane, Propylene (Propene), VOC | 15,714.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 663 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | TOTAL VOC: Butane I, Butane N, Butene, Ethylene (gaseous), Propane, Propylene (Propene), VOC | 9.00 | 6014.44 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 664 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 186 lbs of the 427 lbs are authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | TOTAL VOC: Butane I, Butane N, Butene, Ethylene (gaseous), Propane, Propylene (Propene), VOC | 427.00 | 6014.44 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 665 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | FV-702 | FV-702 | TOTAL VOC: Butane I, Butane N, Cis-2-Butene, Pentane, Propane, VOC (C6+) | 52.00 | 6014.44 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 666 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Not specifically authorized | Baytown Refinery Operating Units | PS7 Tower T-702 Overhead Leak | | TOTAL VOC: Butane I, Butane N, Pentene, Propane | 80.00 | 0.00 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 667 | 144890 | ETSC 001327 - 001328 | 09/15/2010 13:59 | 09/15/2010 15:38 | 1:39 | Not specifically authorized | Hydrocracking Unit 1 (HCU1) | HCU1 atmospheric vent | HCU1 D401 D902 | TOTAL VOC: Butane N, Butane I, Pentanes Propane, Propylene, VOC (unspecified) | 1,686.00 | 0.00 | Instrumentation malfunction at reactor R3 caused the depressurization valves to open for approximately six minutes, resulting in an atmospheric release at HCU1 D401 D902 and flaring at FLARE14. Portions of this unit are authorized by Permit #18287/PSD-TX-730. The event has ended. | already counted | |
| 668 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 14 | FLARE14 | TOTAL VOC: Butane N, Butane I, Butene, Ethylene (gaseous), Propane, Propylene (Propene), VOC | 22.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 669 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 17 | FLARE17 | TOTAL VOC: Butane N, Butane I, Butenes (all isomers), Propane, Propylene (Propene), VOC | 111.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 670 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 20 | FLARE20 | TOTAL VOC: Butane N, Butane I, Butenes (all isomers), Propane, Propylene (Propene), VOC | 6.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 671 | 156361 | ETSC 001374 - 001375 | 6/30/11 21:29 | 6/30/11 22:36 | 1:07 | Not specifically authorized | Hydrocracking unit (HCU1) | Atmospheric vent | HCU1 D401 D902 | TOTAL VOC: Butane N, Butane I, Isopentane, Pentane, Propane, VOC (C6+) | 495.00 | 0.00 | Exchanger leak resulted in subsequent unit shutdown and depressure through HCU1 D401 D902 atmospheric vent. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | H |
| 672 | 155973 | ETSC 001372 - 001373 | 6/21/11 5:13 | 6/21/11 5:34 | 0:21 | Not specifically authorized | Hydrocracking unit (HCU1) | Atmospheric vent | HCU1 D401 D902 | TOTAL VOC: Butane N, Butane I, Isopentane, Pentane, Propane, VOCs | 623.00 | 0.00 | Power disruption resulted in shutdown of unit, causing atmospheric release at HCU1D401 D902. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | H |
| 673 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare14 | FLARE14 | TOTAL VOC: Butane N, Butane I, Propane, Propylene (Propene), VOC | 82.00 | 6014.44 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 674 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | FV-702 | FV-702 | TOTAL VOC: Butane N, Butane I, Propane, VOC | 94.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 675 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 11 | FLARE11 | TOTAL VOC: Butane N, Butane I, Propane, VOC | 4.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 676 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Portions may be authorized under Permit 18287/PSD-TX-730M4/PAL7. | Hydrocracking Unit 1 (HCU1) | Flare Stack 11 | FLARE11 | TOTAL VOC: Butane N, Butene, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), Trans-2-Butene, VOC | 35.65 | 6117.32 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 677 | 80937 | ETSC 000862 - 000863 | 8/29/06 22:40 | 8/30/06 0:20 | 1:40 | Not specifically authorized | Baytown Refinery Operating Units: FS14 | Flare 14 | FLARE14 | TOTAL VOC: Butane N, Butene, Cis-2-Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 2,166.80 | 0.00 | Flameout on all pilot lights. Portions of the facility are authorized under permit number 18287. | 1 | F, H, R-RQ |
| 678 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | 45.81 lbs of total 53.51 lbs are authorized under Permit #18287/PSD-TX-730M4/PAL7 | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 | FLARE14 | TOTAL VOC: Butane N, Butene, Cis-2-Butene, Ethylene (gaseous), Isobutane, Trans-2-Butene | 7.70 | 6117.32 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 679 | 68702 | ETSC 000726 - 000727 | 11/29/05 20:00 | 11/29/05 23:30 | 3:30 | No specific emissions authorizations for this facility | Hydrofining Unit 9 | HU9 T-371 | | TOTAL VOC: Butane N, Butene, Cis-2-Butene, Isobutane, Isopentane, Propane, Propylene (Propene), Trans-2-Butene | 1,697.00 | 0.00 | Leak off of HU9 T-371 resulting in emissions to atmosphere. Cause is still under investigation. | 1 | H, R-RQ, O-M, R-M |
| 680 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 4 | FLARE4 | TOTAL VOC: Butane N, Butene, Ethylene (gaseous), Isobutane, Pentane, Propane, Propylene (Propene), VOC | 152.40 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspeciated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 4 | F, H |
| 681 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 5 | FLARE5 | TOTAL VOC: Butane N, Butene, Ethylene (gaseous), Isobutane, Pentane, Propane, Propylene (Propene), VOC | 27.40 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspeciated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 682 | 68629 | ETSC 000715 - 000717 | 12/12/05 6:00 | 12/15/05 23:20 | 89:20 | Not specifically authorized | | Flare 3 | FLARE3 | TOTAL VOC: Butane N, Butene, Ethylene (gaseous), Isobutane, Pentane, Propane, Propylene (Propene), VOC | 25,181.00 | 0.00 | Maintenance on west loop flare gas recovery compressor C-002. VOC is unspeciated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 683 | 76597 | ETSC 000826 - 000827 | 6/1/06 17:30 | 6/1/06 21:30 | 4:00 | Not specifically authorized | Fuels East Flare System | Flare 14 | FLARE14 | TOTAL VOC: Butane N, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 387.00 | 0.00 | Two pilot outages occurred on flare stack 14 over the course of 4 hours. VOC is C6+ unspeciated material. Portions of the Fuels East Flare System are authorized under permit #18267. | 1 | F, H, R-RQ |
| 684 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | 33.3 lbs of the 101 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | TOTAL VOC: Butane N, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 101.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 1 | F, H |
| 685 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | 108 lbs are authorized | Hydrocracker Unit 1 | Flare 4 | FLARE4 | TOTAL VOC: Butane N, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 110.00 | 6014.44 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 686 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically permitted | Hydrocracker Unit 1 | Flare17 | FLARE17 | TOTAL VOC: Butane N, Butene, Isobutane, Pentanes, Propane N, Propylene (Propene), VOC | 1,953.00 | 6014.44 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287/PSD-TX-730-M4. | already counted | |
| 687 | 162866 | ETSC 068135 - 068136 | 12/16/11 19:30 | 12/20/11 21:30 | 98:00 | Portions may be authorized under Permit #18287/PSD-TX-730M4/PAL7 | Crude Light Ends (CLE) | Hole in Pipe | | TOTAL VOC: Butane N, Cyclohexane, Hexanes, Isopentane, Pentane N, VOC (unspecified), Methylcyclopentane | 6,754.00 | 0.00 | Discovered hole in T-730 Light Virgin Naptha Draw Line. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 4 | H, R-RQ |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|--------------------------------------------------------------------------|-----------------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 688 | 101421 | ETSC 000923 - 000924 | 12/17/07 1:00 | 12/17/07 5:30 | 4:30 | Not specifically authorized | Hydroformer 4 | P451 B suction piping | | TOTAL VOC: Butane N-, Hexane, Isobutane, Isobutylene, Isopentane, Pentane, Propane, Propylene (Propene) | 1,054.00 | 0.00 | Stabilizer pump suction leak to atmosphere. | 1 | H |
| 689 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 21 | FLARE 21 | TOTAL VOC: Butane N-, Isobutane, Isopentane, Pentane, Propane, VOC | 7.26 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 690 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 17 | FLARE 17 | TOTAL VOC: Butane N-, Isobutane, Isopentane, Pentane, Propane, VOC | 7.26 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 691 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 18 | FLARE 18 | TOTAL VOC: Butane N-, Isobutane, Isopentane, Pentane, Propane, VOC | 7.26 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 692 | 70344 | ETSC 000798 - 000801 | 1/12/06 13:09 | 1/12/06 13:24 | 0:15 | Not specifically authorized | | Flare 20 | FLARE 20 | TOTAL VOC: Butane N-, Isobutane, Isopentane, Pentane, Propane, VOC | 7.26 | 0.00 | During the shutdown of the unit, an atmospheric safety valve on T-451 opened and released light hydrocarbons to the atmosphere. Light ends and hydrogen were also flared on the Fuels North flare system. VOC is unspesiated C6+ material. The refinery flares are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | already counted | |
| 693 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Not specifically authorized | Hydrocracking Unit 1 (HCU1) | E-702 Exchanger | | TOTAL VOC: Butane N-, Isobutane, Isopentane, Pentane, Propane, VOCs | 11.40 | 0.00 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | H |
| 694 | 76501 | ETSC 000830 - 000831 | 5/31/06 9:15 | 5/31/06 9:20 | 0:05 | Not specifically authorized | Hydrocracking Unit 1 | D902 & D401 | D902 & D401 | TOTAL VOC: Butane N-, Isobutane, Isopentane, Propane, Propylene (Propene), VOC | 2,613.00 | 0.00 | Unit instability due to compressor C-701 issues resulted in depressuring to D-401 and D-902 atmospheric vents. The event has ended and unit personnel are restarting the unit. The VOC portion represents C6's and higher. Portions of HCU1 are authorized under permit #18267. | 1 | H, R-RQ |
| 695 | 79486 | ETSC 000877 - 000878 | 8/4/06 22:46 | 8/4/06 23:04 | 0:18 | No specific authorization | Hydrocracker Unit | D902 & D401 | D902 & D401 | TOTAL VOC: Butane N-, Isobutane, Isopentane, Propane, Propylene (Propene), VOC | 4,046.00 | 0.00 | The HCU unit tripped off-line which resulted in depressuring to D-401 and D-902 atmospheric vents. Portions of the HCU unit are covered under permit #18287/PSD-TX-730-M3. | 1 | H, R-RQ |
| 696 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | D 401/902 | | TOTAL VOC: Butane N-, Isobutane, Isopentane, Propane, Propylene (Propene), VOC | 7,117.00 | 0.00 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | 1 | H, R-RQ |
| 697 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Drums 401/902 | D-401/902 | TOTAL VOC: Butane N-, Isobutane, pentane iso, Propane, Propylene (Propene), VOC | 8,050.00 | 6014.44 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | 4 | H, R-RQ |
| 698 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Drums 401/902 | D-401/902 | TOTAL VOC: Butane N-, Isobutane, Propane, Propylene (Propene), Pentane (iso), VOC | 3,644.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 699 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 25 | FS25 | TOTAL VOC: Butane-I, Butene, Ethylene (gaseous), Propane, Propylene (Propene), VOC | 778.00 | 0.00 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | 5 | H, R-RQ |
| 700 | 144890 | ETSC 001327 - 001328 | 09/15/2010 13:59 | 09/15/2010 15:38 | 1:39 | 2,002 of total 46,949 lbs are authorized under Permit #18287/PSD-TX-730. | Hydrocracking Unit 1 (HCU1) | Flare Stack 14 (FECC) | FLARE14 | TOTAL VOC: Butane, Butane I, Cis-2-butene, Ethylene (gaseous), Propane, Propylene, Trans-2-butene, VOC (unspesiated) | 44.95 | 6010.61 | Instrumentation malfunction at reactor R3 caused the depressurization valves to open for approximately six minutes, resulting in an atmospheric release at HCU1 D401 D902 and flaring at FLARE14. Portions of this unit are authorized by Permit #18287/PSD-TX-730. The event has ended. | 1 | H |
| 701 | 78440 | ETSC 000881 - 000882 | 7/12/06 11:35 | 7/13/06 9:47 | 22:12 | Not specifically authorized | Booster Station 4 | Hole in piping at B54 | | TOTAL VOC: Butane, Butane N-, Cyclopentane, Ethylene (gaseous), Isobutane, Isopentane, Pentadienes, Pentane, Propane, Propylene (Propene) | 408.00 | 0.00 | Pin hole leak on line at Booster Station 4. Portions of the Refinery are permitted under Permit #18287. | 1 | H, R-RQ |
| 702 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 11 | FLARE11 | TOTAL VOC: Butane, Butane-I, Butene, Ethylene (gaseous), Propane, Propylene (Propene), VOC | 165.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 703 | 67926 | ETSC 000730 - 000731 | 11/13/05 5:24 | 11/14/05 11:29 | 30:05 | Not specifically authorized | Flexicoker Unit | Flare Stack 25 | FS25 | TOTAL VOC: Butane, Butene, Ethylene (gaseous), Isobutane, Isopentane, Pentane, Propane, Propylene (Propene), VOC | 997.00 | 0.00 | Pump P-329A tripped at Flexicoker resulting in flaring. Portions of the Flexicoker are permitted under permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, H, R-RQ |
| 704 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 27 | FLARE27 | TOTAL VOC: Butane, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 539.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 705 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 18 | FLARE18 | TOTAL VOC: Butane, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 157.50 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 706 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 4 | FLARE4 | TOTAL VOC: Butane, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 2,099.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 707 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 6 | FLARE6 | TOTAL VOC: Butane, Butene, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 30.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. | already counted | |
| 708 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | TOTAL VOC: Butane, Butene, Ethylene (gaseous), Propane, Propylene, VOC | 139.00 | 6010.61 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 709 | 83416 | ETSC 001049 - 001050 | 11/2/06 5:00 | 11/2/06 19:33 | 14:33 | Not specifically authorized | Gofiner 1 | Tower T-276 | | TOTAL VOC: Butane, Butene, Hexane, Hexene, Isobutane, Isopentane, Monothanolamine, Pentane, Pentene, Propane, Propylene (Propene), VOC | 1,360.00 | 0.00 | Product stripper tower T-276 developed a pinhole leak. The leak was likely caused by corrosion/erosion. There was a small intermittent fire and release of process gas oil (VOC-PGO). The small fire has ended and visible emissions from the pinhole have stopped. The VOC reported is C5 thru C8s. The tower was isolated and repaired. Portions of Gofiner 1 are permitted in Permit 18287 and an Interim Agreement with TCEQ. | 1 | H, R-RQ |
| 710 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare3 | FL3 | TOTAL VOC: Butane, Butenes (all isomers), Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 179.00 | 6014.44 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 711 | 130563 | ETSC 001241 - 001244 | 10/09/2009 6:37 | 10/09/2009 12:37 | 6:00 | Not specifically authorized | Hydrocracker Unit 1 | Flare6 | FL6 | TOTAL VOC: Butane, Butenes (all isomers), Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 66.00 | 6014.44 | Shutdown of compressor C-701 caused HCU1 to shutdown. Associated units temporarily reduced rates to minimize emissions. Portions of this event may be authorized under Permit 18287-PSD-TX-730-M4. | already counted | |
| 712 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | TOTAL VOC: Butane, butenes, Ethylene (gaseous), Propane, Propylene, VOC | 65.00 | 6014.44 | HCU1 shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 713 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare 3 | FLARE3 | TOTAL VOC: Butane, butenes, Ethylene (gaseous), Propane, Propylene, VOC | 229.00 | 6010.61 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 714 | 66872 | ETSC 000732 - 000733 | 11/5/05 0:06 | 11/6/05 4:16 | 28:10 | Not specifically authorized | Booster Station 4 | Flare 27 | FLARE27 | TOTAL VOC: Butane, Ethylene (gaseous), Isobutane, Isopentane, Pentane, Propane, Propylene (Propene), VOC | 1,707.00 | 0.00 | Replaced 250 foot section of jet vent gas line. The refinery flares are permitted under Permit #18287. This report is being submitted under an interim agreement with TCEQ Region 12. | 2 | F, H, R-RQ |
| 715 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare Stack 5 | FL5 | TOTAL VOC: Butane, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOC | 6.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | already counted | |
| 716 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 19 | FLARE19 | TOTAL VOC: Butane, Ethylene (gaseous), Pentane, Propane, Propylene, VOC | 22.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | already counted | |
| 717 | 125757 | ETSC 001203 - 001209 | 06/17/2009 14:45 | 06/17/2009 17:00 | 2:15 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | TOTAL VOC: Butane, Ethylene (gaseous), Propane, Propylene, VOC | 5.00 | 6010.61 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 718 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | Not specifically authorized | Hydrocracking Unit 1 | HCUI atmospheric vent | | TOTAL VOC: Butane, Isobutane, Isopentane, Pentane, Propane, VOCs | 3,746.00 | 0.00 | Compressor trip resulted in an atmospheric release at a HCUI safety vent and safe utilization of the flare system. | already counted | |
| 719 | 168050 | ETSC 072655 - 072658 | 5/1/12 17:39 | 5/2/12 2:29 | 8:50 | Not specifically authorized | Hydrocracking Unit 1 (HCUI) | HCUI atmospheric vent | | TOTAL VOC: Butane, Isobutane, Isopentane, Propane, VOCs | 9,205.00 | 0.00 | Compressor trip resulted in unit shutdown, causing subsequent emissions and flaring. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | already counted | |
| 720 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 35.85 lbs of the total 207.26 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 14 | FLARE14 | TOTAL VOC: Butane, N-, Butene, Cis-2-butene, Ethylene, Isobutane, Isopentane, Propane, Propylene (Propene), Trans 2-butene, VOCs | 171.41 | 6,117.32 | Compressor trip resulted in an atmospheric release at a HCUI safety vent and safe utilization of the flare system. | already counted | |
| 721 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | CLEU T785 Piping Pinhole Leak | | TOTAL VOC: Butane, N-, Butene, Ethylene (gaseous), Hexane, Isobutane, Isobutylene, Pentadienes, Pentane N-, Propane, Propylene (Propene), VOC | 127.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 722 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 11 | FLARE11 | TOTAL VOC: Butane, N-, Butene, Ethylene (gaseous), Isobutane, Isobutylene, Propane, Propylene (Propene) | 191.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 723 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 14 | FLARE14 | TOTAL VOC: Butane, N-, Butene, Ethylene (gaseous), Isobutane, Isobutylene, Propane, Propylene (Propene), VOC | 5,047.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 724 | 182699 | ETSC 073046 - 073047 | 5/11/13 6:30 | 5/11/13 11:21 | 4:51 | Not specifically authorized | Hydroformer 3 | Flange | | TOTAL VOC: Butane, N-, Ethylbenzene, Hexane, Isobutane, Isopentane, Pentane, Propane, Toluene, Trimethylpentane, 2,2,4, VOC (unspecified), Xylene | 126.40 | 0.00 | Flange leak on inlet line to Reactor 3 | 1 | H |
| 725 | 178267 | ETSC 072911 - 072914 | 1/21/13 3:37 | 1/22/13 19:00 | 39:23 | 1.24 lbs of the total 32.84 lbs are authorized under permit 18287/PSD-TX-730M4. | Hydrocracking Unit 1 | Flare Stack 11 | FLARE11 | TOTAL VOC: Butane, N-, Ethylene (gaseous), Isobutane, Propane, Propylene (Propene), VOCs | 31.60 | 6,117.32 | Compressor trip resulted in an atmospheric release at a HCUI safety vent and safe utilization of the flare system. | 2 | F, H |
| 726 | 142015 | ETSC 001314 - 001315 | 07/06/2010 7:30 | 07/07/2010 22:00 | 38:30 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | FNGT (Fuels North Gas Treating) | Hole in Pipe | | TOTAL VOC: Butane, Pentane, Propane | 894.50 | 6010.61 | Leaks from two holes in feed line to T-855 (Naphtha Hydrofiner (NHF) Tail Gas Scrubber). This event has ended. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 2 | H |
| 727 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare Stack 5 | F55 | TOTAL VOC: Butane, Propane, Propylene, VOC | 37.00 | 6014.44 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 728 | 124215 | EOMCS 00024373 - 000024382 | 05/12/2009 15:46 | 05/15/2009 20:48 | 77:02 | Not specifically authorized | Hydrocracker Unit 1 | Flare 6 | FLARE6 | TOTAL VOC: Butane, Propane, Propylene, VOC | 37.00 | 6014.44 | HCUI shut down. Portions of the units are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 729 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 18 | FLARE18 | TOTAL VOC: Butene, Isobutane, Pentane N-, Propane, VOC | 515.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 730 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 21 | FLARE21 | TOTAL VOC: Butene, Isobutane, Pentane N-, Propane, VOC | 432.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 731 | 114161 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 17 | FLARE17 | TOTAL VOC: Butene, Isobutane, Pentane N-, Propane, VOC | 15,157.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 732 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 17 | FLARE17 | TOTAL VOC: Butene, Isobutane, Propylene (Propene), VOC | 8,894.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | already counted | |
| 733 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 20 | FLARE20 | TOTAL VOC: Butene, Isobutane, Propylene (Propene), VOC | 9,419.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | already counted | |
| 734 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | Flare 21 | FLARE21 | TOTAL VOC: Butene, Isobutane, Propylene (Propene), VOC | 441.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | already counted | |
| 735 | 85714 | ETSC 001025 - 001026 | 1/5/07 16:15 | 1/14/07 19:05 | 218:50 | Not specifically authorized | ExxonMobil Baytown Refinery, Oil Movements | Plant Sewer Fugitives | SEWERFUG | TOTAL VOC: C10, C11, C12, C13, C14, C15 | 2,176.00 | 0.00 | Leak on underground piping, resulting in spill and eventual air emissions in the wastewater facility. Portions of the wastewater facility are covered under Permit 18287/PSD-TX-730-M4. | 10 | H |
| 736 | 85962 | ETSC 001027 - 001028 | 1/11/07 20:25 | 1/11/07 21:10 | 0:45 | Not specifically authorized | Gofiner | Gofiner Unit 1 Fugitives | GF1FUG | TOTAL VOC: C10, C11, C12, C13, C14, C15 | 20.00 | 0.00 | A seal on a unit pump failed which resulted in a release of hot gas oil vapors to the atmosphere. Portions of the Gofiner Unit are covered under Permit 18287/PSD-TX-730-M4. | 1 | H |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|------------------------------------------------|-------------------|------------------|-----------------|----------------------------------------------------------------|---------------------------------------|-------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 737 | 110887 | ETSC 001113 - 001114 | 07/10/2008 3:00 | 07/18/2008 13:00 | 202:00 | All emissions authorized by Permit 18287 | Wastewater Treatment Plant | Wastewater Treatment Plant | SEWERFUG | TOTAL VOC: Cumene, Cyclohexane, Ethylbenzene, Methyl ethyl ketone, Methyl isobutyl ketone, Naphthalene, Phenol, Toluene, VOC, Xylene | 5,357.00 | 6014.44 | Benzene concentration in wastewater treatment system. Portions of this facility are authorized by Permit No. 18287/PSD-TX-730. | 9 | H, R-RQ, O-RQ |
| 738 | 91325 | ETSC 000975 - 000976 | 5/17/07 6:00 | 5/22/07 19:00 | 133:00 | Not specifically authorized | Oil Movements Area 1 | Tank 998 | TK0998 | TOTAL VOC: Cyclohexane, Ethylbenzene, Naphthalene, Toluene, Xylene | 3,562.00 | 0.00 | Loss of flotation on Tank 998 floating roof. Event is under investigation but most likely cause is that floating roof became entangled with tank's roof anti-rotation device. Tank contained oil destined for refinery recycle. Portions of Oil Movements Area 1, including Tank 998, are authorized in permit 18287. No impact on production and all customer needs were met. Event has ended. | 6 | H, R-RQ, O-RQ |
| 739 | 113088 | ETSC 001126 - 001127 | 08/24/2008 15:30 | 08/24/2008 15:40 | 0:10 | Not specifically authorized | Hydroformer 3 | Reactor Vent | HF3RXVENT | TOTAL VOC: Ethylbenzene, Hexane, Mixed Xylene, Toluene, VOC (C4s), VOC (C5s), VOC (C6+) | 4.50 | 0.00 | A reactor was being air freed when material was released resulting in a fire. This event has ended. Portions of the HF3 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4/PAL. | 1 | H |
| 740 | 103838 | ETSC 001076 - 001078 | 02/16/2008 8:30 | 02/20/2008 12:00 | 99:30 | Not specifically authorized | Oil Movements | Tank 1095 sewer drain | SEWERFUG | TOTAL VOC: Ethylbenzene, Orthoxylene, paraxylene, Propane, Toluene, VOC | 68.90 | 0.00 | Leaking stormwater roof drain resulted in crude oil on tank roof. Secondary mist released at ground level sewer and vapor released from tank roof. Portions of Oil Movements, including the tank, authorized in Permit 18287. | 5 | H |
| 741 | 72945 | ETSC 000776 - 000777 | 3/14/06 17:30 | 3/14/06 17:50 | 0:20 | Not specifically authorized | Oil Movements | Tank 801 fire wall | | TOTAL VOC: Ethylbenzene, Xylene, VOC | 32.08 | 0.00 | Paint cans and wood-based material caught fire inside the firewall of Tank 801. The minor fire only burned painting supplies and was put out minutes later. The ignition source was not determined. | 1 | H |
| 742 | 71948 | ETSC 000786 - 000787 | 2/19/06 17:05 | 2/19/06 17:10 | 0:05 | No authorized emissions | Catalytic Light Ends Unit 3 | CLEU3 Atmospheric Safety (CL0369) | | TOTAL VOC: Ethylene (gaseous) | 9,090.00 | 0.00 | Ethylene Compressor (C-74) tripped causing atmospheric safety (CL0369) to open. Portions of the CLEU3 unit are permitted under permit #18287. | 1 | H, R-RQ |
| 743 | 86666 | ETSC 001017-001018 | 1/25/07 14:28 | 1/25/07 14:29 | 0:02 | Not specifically authorized | Catalytic Light Ends Unit 3 | CL0352 | | TOTAL VOC: Ethylene (gaseous) | 156.00 | 0.00 | Ethylene refrigeration system compressor overpressured while performing computer maintenance and atmospheric safety relieved for approximately 6 seconds. The event has ended. The unit has returned to normal. Portions of CLEU3 are permitted in Permit 18287. | 1 | H, R-RQ |
| 744 | 83907 | ETSC 001043 - 001044 | 11/15/06 1:00 | 11/15/06 5:00 | 4:00 | Not specifically authorized | Catalytic Light Ends Unit 2 | D-41 Line Pinhole | Pinhole Leak | TOTAL VOC: Ethylene (gaseous), Propane, Propylene (Propene) | 1,045.00 | 0.00 | A pinhole leak was discovered in an overhead line to a knockout drum (D-41) at the Catalytic Light Ends Unit (CLEU2). The event has ended. Portions of the Catalytic Light Ends Unit are covered under permit #18287. | 1 | H, R-RQ |
| 745 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery | CLEU T-62 Feed Line Pinhole Leak | | TOTAL VOC: Ethylene (gaseous), Propane, Propylene (Propene) | 8.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit 18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | 19 | H |
| 746 | 76531 | ETSC 000828 - 000829 | 5/31/06 14:00 | 6/1/06 5:50 | 15:50 | Not specifically authorized | Oil Movements | Plant Sewer Fugitives | SEWERFUG | TOTAL VOC: Heptane (or n-), Toluene | 25,644.00 | 0.00 | Heptane from tank 741 water draw valve was released to onsite sewer and waste water treatment plant. Portions of Oil Movements are authorized under permit #18267. | 1 | H, R-RQ, O-RQ |
| 747 | 128824 | ETSC 001237 - 001238; IOMCS 00232142 - 0023148 | 08/30/2009 15:22 | 08/31/2009 1:57 | 10:35 | Not specifically authorized | Flexicoker Waste Heat Boiler | Flexicoker Waste Heat Boiler Bypass Stack | | TOTAL VOC: i-Butene, N-Butene, Butene, Ethylene (gaseous), Pentane, Propane, Propylene, VOC | 508.00 | 0.00 | As a result of a malfunctioning boiler feed water pump, the Flexicoker waste heat boiler (WHB) was shut down causing emissions to be released to the atmosphere through the Flexicoker gas turbine generator WHB bypass stack. Portions of the refinery are authorized by PAL permit number 18287. | 1 | H, R-RQ |
| 748 | 153388 | ETSC 001368 - 001369 | 04/15/2011 20:15 | 04/15/2011 20:22 | 0:07 | Not specifically authorized | HCU1 | EBV 701 A/B | EBV 701 A/B | TOTAL VOC: Isobutane, Isopentane, Propane, VOC (C6+) | 1,837.00 | 0.00 | Malfunctioning temperature instrument caused depressuring through EBV 701 A/B. Emissions occurred intermittently beginning on 04/15/2011 at 8:15 PM until 04/16/2011 at 12:10 PM for a total of 8 minutes. RQ was exceeded on 04/16/2011 at 12:50 AM. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | R-M, O-M |
| 749 | 137570 | ETSC 001293 - 001294 | 03/28/2010 3:00 | 03/30/2010 16:00 | 61:00 | Not specifically authorized | Gofiner 1 (GF1) | Pipe Leak in Gofiner Tower 252 | | TOTAL VOC: Monoethanolamine | 93.00 | 0.00 | Emissions from pinhole leak in piping at Gofiner Tower 252. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. Emissions occurred intermittently through the duration of the event. | 3 | |
| 750 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Portions of these emissions may be authorized by Permit #18287 | Gas Treating | Flare 20 | FL20 | TOTAL VOC: N-Butane, Butene, Isobutane, Isopentane, N-Pentane, N-Propane, Propylene, VOC | 9,119.70 | 6010.61 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | 7 | F, H, R-RQ |
| 751 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 20 | FL20 | TOTAL VOC: N-Butane, Butene, Isobutane, Isopentane, N-Pentane, Propane, Propylene (Propene), VOC | 40.68 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | already counted | |
| 752 | 142407 | ETSC 001316 - 001322 | 07/15/2010 4:32 | 07/15/2010 10:07 | 5:35 | Portions may be authorized by Permit 18287/PSD-TX-730M4 | Catalytic Light Ends Unit 3 (CLEU3) | Flare Stack 17 | FLARE17 | TOTAL VOC: N-Butane, Butene, Isobutane, Isopentane, N-Pentane, Propane, Propylene (Propene), VOC (C6+) | 159.50 | 6010.61 | Flaring due to C-75 compressor trip. Portions of the unit emissions are authorized by Permit #18287/PSD-TX-730. | 1 | F, H, R-RQ |
| 753 | 120403 | ETSC 001182 - 001183 | 02/21/2009 15:27 | 02/21/2009 18:55 | 3:28 | Not specifically authorized | Hydrocracking Unit 1 | HCU1 D401/D902 vents | | TOTAL VOC: N-Butane, Isobutane, Isopentane, Propane, Propylene (Propene), VOC | 15,504.00 | 0.00 | A valve leaked into the atmospheric drums D401/D902. Portions of HCU1 unit are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 1 | H, R-RQ |
| 754 | 134509 | ETSC 001273 - 001274 | 01/14/2010 14:30 | 01/21/2010 1:50 | 155:20 | Not specifically authorized | Gas Treating | Hole in Piping | Hole in Piping | TOTAL VOC: N-Butane, N-Pentane, Propane | 1,913.10 | 0.00 | Emissions from hole in piping to gas treating towers. Portions of the refinery emissions may be authorized by Permit #18287/PSD-TX-730. | already counted | |
| 755 | 135178 | ETSC 001278 - 001279 | 01/29/2010 11:30 | 01/29/2010 12:45 | 1:15 | Not specifically authorized | Lubes Extraction Unit 2, Hole in Pipe | LXU-2 E-5 Hole in Pipe | | TOTAL VOC: N-Methyl-2-Pyrrolidone | 321.00 | 0.00 | A hole in E-5 tower inlet nozzle. Portion of the unit is authorized by Permit #18287/PSD-TX-730M4/PAL. 3-gallon spill of steam cracked naphtha. As per 30 TAC 101.201 [a](4), the initial spill notification was made under 30 TAC 327.3 on 1/14/12. Portions of this facility are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 1 | H |
| 756 | 164148 | ETSC 068642 - 068643 | 1/14/12 21:00 | 1/14/12 21:45 | 0:45 | Not specifically authorized | DOCKS | | | TOTAL VOC: Other, VOC (unspecified) | 16.00 | 0.00 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | 2 | F |
| 757 | 124763 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 15 | FS15 | TOTAL VOC: Propane | 5,644.00 | 6014.44 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 758 | 124763 | ETSC 001201 - 001202 | 05/26/2009 23:40 | 05/28/2009 13:57 | 38:17 | Not specifically authorized | Dewaxing Unit | Flare 16 | FS16 | TOTAL VOC: Propane | 777.00 | 6014.44 | Failure of cooling tower supply header caused shutdown of Propane Dewaxing Unit and Lube Deasphalting Unit. Shutdown and subsequent unit clearing caused flaring. Portions of the Refinery are authorized under Flexible PAL Permit #18287/PSD-TX-730M4. | already counted | |
| 759 | 68603 | ETSC 000724 - 000725 | 11/29/05 16:00 | 11/30/05 4:30 | 12:30 | No specific emissions authorizations for this facility | Propane Dewaxing Unit | Chiller Overhead Line | | TOTAL VOC: Propane, Propylene (Propene) | 11,437.00 | 0.00 | Flange leak on chiller overhead line at CV074-2 resulted in emissions to atmosphere. Cause is still under investigation. | 1 | H, R-RQ |
| 760 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 15 | Flare15 | TOTAL VOC: Propane, Propylene (Propene) | 1,947.00 | 401.00 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | 1 | F, H, R-RQ |
| 761 | 74965 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Flare 16 | Flare16 | TOTAL VOC: Propane, Propylene (Propene) | 40.20 | 401.00 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the Refinery are permitted under Permit #18287. | already counted | |
| 762 | 161875 | ETSC 068035 - 068036 | 11/17/11 10:50 | 11/17/11 11:15 | 0:25 | Not specifically authorized | Gofiner | Hole in Pipe | | TOTAL VOC: Propane, VOC (unspecified) | 231.81 | 0.00 | On 11/15/11 @ 23:00, a hole in a pipe was observed and subsequently isolated. The initial estimate indicated the emissions were below a reportable quantity. During insulation removal and inspection of the pipe on 11/17/11, the hole size indicated that emissions were higher than the initial estimate. Site Permit Number is 18287/PSD-TX-730. | 1 | H |
| 763 | 96519 | ETSC 000947 - 000949 | 8/23/07 20:13 | 8/24/07 1:07 | 4:54 | Not specifically authorized | Hydrofining Unit #9 | Flare 14 | FLARE14 | TOTAL VOC: VOC | 62.00 | 0.00 | Shift in power supply to Hydrofining Unit 9 (HU9) resulted in depressuring to D-500 Atmospheric vent. HU9 diversion resulted in flaring of Low BTU Gas normally used in HU9 furnaces. Portions of the BTRF Refinery are authorized by Flex/PAL Permit No. 18288 | already counted | |

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|-----|-----------------|---------------------------------------|-------------------|------------------|-----------------|-------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------|------------|------------------------------|-----------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------|
| | Tracking Number | Bates # of first page of Final STEERS | Start Date & Time | End Date & Time | Duration (h:mm) | Authorization | Unit | Emission Point | EPN | Contaminant | Amount Released (lbs) | Reported Emission Limit (lbs/hr) | Cause | Number of Days of Violation | Traceability Codes |
| 2 | | | | | | | | | | | | | | | |
| 764 | 75191 | ETSC 000840 - 000841 | 5/1/06 16:20 | 5/1/06 16:50 | 0:30 | Not specifically authorized | Cooling Tower 9 | Pump P-2 | | TOTAL VOC: VOC (unspeciated) | 2.00 | 0.00 | Bearing failure in pump P-2 caused the engine to overheat and smoke. No actual flame was present. Portions of Cooling Tower 9 are covered under refinery permit #18287. | 1 | H |
| 765 | 70283 | ETSC 000806 - 000807 | 1/10/06 8:00 | 1/11/06 18:00 | 34:00 | Not specifically authorized | Flexicoker Unit | FXK GTG/WHB301 | FXKGTGWHB | TOTAL VOC: VOC (unspeciated) | 11.00 | 0.00 | During the shutdown of the unit, GTG/WHB-301 exceeded R's NOX RACT 24-hour rolling average limit of 400 ppm CO. GTG/WHB-301 is permitted under Permit #18287. | 2 | H |
| 766 | 147380 | ETSC 001343 | 10/16/2010 1:30 | 10/17/2010 5:30 | 28:00 | | Oil Movements, Underground Naphtha Fill | Underground Naphtha Fill | Pipe Leaks | TOTAL VOC: VOC (unspeciated) | 101,506.00 | 0.00 | Underground pipe leaks. | 2 | H, R-RQ |
| 767 | 135717 | ETSC 001282 - 001283 | 02/10/2010 9:45 | 02/12/2010 12:34 | 50:49 | Not specifically authorized | Pipe Still 7 (P57) | Flange at P57 drum | | TOTAL VOC: VOC (Unspeciated) | 303.00 | 6010.61 | Leak at flange on P57 drum; event has ended. Portions of the refinery emissions are authorized by Permit #18287/PSD-TX-730. | 3 | H |
| 768 | 135797 | ETSC 001284 - 001285 | 02/24/2010 14:30 | 02/26/2010 22:30 | 56:00 | Not specifically authorized | Oil Movements | Tank 1086 | TK1086 | TOTAL VOC: VOC (unspeciated) | 1,040.00 | 6010.61 | Planned deinventory of TK-1086 for planned maintenance of tank suction and fill valves. Upon completion of maintenance. | 3 | H |
| 769 | 160475 | ETSC 068131 - 068132 | 10/12/11 3:44 | 10/14/11 13:59 | 58:15 | Portions are authorized under Permit #18287/PSD-TX-730. | Flexicoker | Flare Stack 25 | FLARE 25 | TOTAL VOC: VOC (unspeciated) | 8.90 | 6117.32 | Emissions due to loss of flexicoker fractionator bottoms flow. Portions of emissions are authorized by Permit #18287/PSD-TX-730M4/PAL7. | 3 | F, H |
| 770 | 126082 | ETSC 001221 - 001223 | 06/25/2009 21:00 | 06/29/2009 3:46 | 78:46 | Portions of the refinery are authorized by Permit #18287 & PSD-TX-730M4 | Flexicoker (FXK) | Flare Stack 27 | FL27 | TOTAL VOC: VOC (unspeciated) | 1.00 | 6010.61 | Flaring due to Flexicoker start-up after shut down. This event has ended. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | 4 | |
| 771 | 71454 | ETSC 000784 - 000785 | 2/22/06 13:55 | 2/27/06 0:00 | 106:05 | Not specifically authorized | Flexicoker Unit | GTG301 WHB Bypass Stack | | TOTAL VOC: VOC (unspeciated) | 2.00 | 0.00 | Run in test of Flexicoker Unit GTG 301 resulting in turbine emissions being routed through the Waste Heat Boiler bypass stack. | 5 | H |
| 772 | 102063 | ETSC 001065 - 001066 | 01/04/2008 5:10 | 01/08/2008 8:00 | 98:50 | Not specifically authorized | Sulfur Conversion Unit 2 | Furnace 702 | SCU2F702 | TOTAL VOC: VOC (unspeciated) | 4.00 | 0.00 | Water ingress from a suspected exchanger leak at Tail Gas Cleanup Unit C lead to reduced treatment of tail gas at SCU2. Portions of the emissions from SCU2F702 and SCU21601 were authorized under Flexible PAL Permit #18287/PSD-TX-730M. Also, flexible Permit #18287 SC30 authorized emissions from SCU20702. | 5 | H |
| 773 | 74963 | ETSC 000842 - 000844 | 4/25/06 21:45 | 4/26/06 21:31 | 23:46 | Not specifically authorized | Substation 5 & East Loop Flare System | Substation 5 - Transformers T501, T502 & T503 | | TOTAL VOC: VOC (unspeciated) | 63.60 | 0.00 | Fire at Electrical Substation #5, servicing the lubes plant. Resulted in trip of East Loop Flare Gas Recovery Compressor and subsequent flaring off of the East Loop Flare Systems. Material routed to the flare included flows from MEK, LDU, PDU & LHU2 units. VOC from substation is petroleum distillates. This report is being submitted as part of the interim agreement with TCEQ Region 12. Portions of the refinery are permitted under Permit #18287. | already counted | |
| 774 | 113887 | ETSC 001132 - 001144 | 09/11/2008 12:00 | 09/15/2008 18:30 | 102:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | SCU2 F-529 | SCU2F529 | TOTAL VOC: VOC (unspeciated) | 4.00 | 6,014.44 | Scheduled shutdown due to approach of Hurricane Ike. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. | already counted | |
| 775 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Not specifically authorized | Baytown Refinery Operating Units | HF3 MOV32 Flange Flash Fire | | TOTAL VOC: VOC (unspeciated) | 1.00 | 0.00 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 776 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare Stack 26 | F526 | TOTAL VOC: VOC (unspeciated) | 7.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 777 | 114163 | ETSC 001156 - 001163 | 09/15/2008 18:30 | 10/04/2008 1:00 | 438:30 | Permit #18287 & PSD-TX-730M4 | Baytown Refinery Operating Units | Flare 16 | FLARE16 | TOTAL VOC: VOC (unspeciated) | 1.00 | 6,014.44 | Scheduled startup due to shutdown for Hurricane Ike. This initial STEERS initial report is based on September 2005 refinery startup after shutdown due to approach of hurricane. Portions of the refinery are permitted under Permit #18287/PSD-TX-730-M4. Note: STEERS would not allow submittal of just one report because it exceeded the CCEDS requirements. The STEERS contact (Jim Drozd) recommended we submit two reports. A previous submitted report with Incident Tracking Number 114157 contains the balance of information for this startup event. | already counted | |
| 778 | 151209 | ETSC 001366 - 001367 | 02/06/2011 0:30 | 02/08/2011 17:00 | 64:30 | | NA | Pipe | | TOTAL VOC: Xylene, p- | 728.00 | 0.00 | Spill occurred due to a hole in pipe releasing material to the ground and subsequent air evaporation. Portions of the unit emissions are authorized by Permit #18287. This event has ended. | 1 | H, R-RQ, O-RQ, O-M, R-M |
| 779 | | | | | | | | | | | | | TOTAL - VOCs | 157 | 146 |
| 780 | 133053 | ETSC 001249 - 001250 | 12/09/2009 7:45 | 12/09/2009 14:00 | 6:15 | Not specifically authorized | Oil Movements Area 3 | Tank 667 | TKo667 | Visible Emissions | 50.00% | 0.00% | Liquid sulfur product in tank ignited. Duration of excess opacity event was 15 minutes. Portions of the unit are authorized by Permit #18287/PSD-TX-730. | 1 | S, H |
| 781 | | | | | | | | | | | | | SUBTOTAL OF OPACITY | 1 | 1 |
| 782 | | | | | | | | | | | | | | | TOTAL TRACEABLE DAYS OF VIOLATION: 1,152 |